# Authorization for Credit Card Transactions

**Department of Homeland Security**

**Form G-1450**

## How To Fill Out Form G-1450

1. Type or print legibly in black ink.
2. Complete the "**Applicant's/Petitioner's/Requester's Information**," "**Credit Card Billing Information**," and "**Credit Card Information**" sections and sign the authorization. **NOTE:** The credit card must be issued by a U.S. bank.
3. Place your Form G-1450 ON TOP of your application, petition, or request package.

**NOTE:** Failure to provide the requested information may result in DHS and your financial institution not accepting the payment. DHS cannot process credit card payments without an authorized signature.

**NOTE:** Please see the USCIS Form G-1450 website for additional information.

**We recommend that you print or save a copy of your completed Form G-1450 to review in the future and for your records.**

By completing this transaction, you agree that you have paid for a government service and that the filing fee, biometric services fee and all related financial transactions are final and not refundable, regardless of any action DHS takes on an application, petition, or request. You must submit all fees in the exact amounts. DHS will charge your credit card up to the amount you authorize below.

Please refer to the form(s) you are filing for additional information, or you may call the USCIS Customer Contact number at **1-800-375-5283**. For TTY (deaf or hard of hearing) call: **1-800-767-1833**.

| **Applicant's/Petitioner's/Requester's Information (Full Legal Name)** | | |
|---|---|---|
| Given Name (First Name)<br>Rillian Diello | Middle Name (if any)<br>N/A | Family Name (Last Name)<br>LUCAS PIRES |
| **Credit Card Billing Information (Credit Card Holder's Name as it Appears on the Card)** | | |
| Given Name (First Name)<br>Otavio | Middle Name (if any)<br>H | Family Name (Last Name)<br>SILVA |
| **Credit Card Holder's Billing Address:** | | |
| Street Number and Name<br>5051 La Jolla Blvd | Apt. Ste. Flr.<br>☒ ☐ ☐ | Number<br>202 |
| City or Town<br>San Diego | State<br>CA | ZIP Code<br>92109 |
| **Credit Card Holder's Signature and Contact Information:** | | |
| Credit Card Holder's Signature | | |
| Credit Card Holder's Daytime Telephone Number<br>5102419336 | Credit Card Holder's Email Address<br>otavio@yousalaw.com | |
| **Credit Card Information** | | |
| Credit Card Number | **Credit Card Type:** ☐ Visa ☐ MasterCard ☐ American Express ☐ Discover | Authorized Payment Amount<br>$ 715.00 |
| Credit Card Expiration Date (mm/yyyy) CVV Code | | |

# Authorization for Credit Card Transactions

**Department of Homeland Security**

**Form G-1450**

## How To Fill Out Form G-1450

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2. Complete the "**Applicant's/Petitioner's/Requester's Information**," "**Credit Card Billing Information**," and "**Credit Card Information**" sections and sign the authorization. **NOTE:** The credit card must be issued by a U.S. bank.
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**NOTE:** Failure to provide the requested information may result in DHS and your financial institution not accepting the payment. DHS cannot process credit card payments without an authorized signature.

**NOTE:** Please see the USCIS Form G-1450 website for additional information.

**We recommend that you print or save a copy of your completed Form G-1450 to review in the future and for your records.**

By completing this transaction, you agree that you have paid for a government service and that the filing fee, biometric services fee and all related financial transactions are final and not refundable, regardless of any action DHS takes on an application, petition, or request. You must submit all fees in the exact amounts. DHS will charge your credit card up to the amount you authorize below.

Please refer to the form(s) you are filing for additional information, or you may call the USCIS Customer Contact number at **1-800-375-5283**. For TTY (deaf or hard of hearing) call: **1-800-767-1833**.

| **Applicant's/Petitioner's/Requester's Information (Full Legal Name)** | | |
|---|---|---|
| Given Name (First Name)<br>Rillian Diello | Middle Name (if any)<br>N/A | Family Name (Last Name)<br>LUCAS PIRES |
| **Credit Card Billing Information (Credit Card Holder's Name as it Appears on the Card)** | | |
| Given Name (First Name)<br>Otavio | Middle Name (if any)<br>H | Family Name (Last Name)<br>SILVA |
| **Credit Card Holder's Billing Address:** | | |
| Street Number and Name<br>5051 La Jolla Blvd | Apt. Ste. Flr.<br>☒ ☐ ☐ | Number<br>202 |
| City or Town<br>San Diego | State<br>CA | ZIP Code<br>92109 |
| **Credit Card Holder's Signature and Contact Information:** | | |
| Credit Card Holder's Signature | | |
| Credit Card Holder's Daytime Telephone Number<br>5102419336 | Credit Card Holder's Email Address<br>otavio@yousalaw.com | |
| **Credit Card Information** | | |
| Credit Card Number<br><br>Credit Card Expiration Date (mm/yyyy) CVV Code | **Credit Card Type:**<br>☐ Visa<br>☐ MasterCard<br>☐ American Express<br>☐ Discover | Authorized Payment Amount<br>$ 300.00 |

YOUSA
LAW FIRM

# EB-2 IMMIGRANT PETITION
# WITH REQUEST FOR A NATIONAL INTEREST WAIVER

## Petitioner: PIRES, Rillian Diello Lucas

San Diego, CA - PO Box 90487

**TABLE OF CONTENTS**

Petitioner: **Pires, Rillian Diello Lucas**
Type of Petition: **I-140, EB-2 National Interest Waiver**
Classification Sought: **Immigration and Nationality Act 203(b)(2)(B)**

| | |
|---|---|
| **Forms** | • Form G-1450 in the amount of $715 towards I-140 form filling fee<br>• Form G-1450 in the amount of $300 towards Asylum Program Fee<br>• Form G-1145<br>• Form G-28<br>• Form I-140<br>• ETA-9089 |
| **Petition Cover Letter** | • Summary of Cover Letter<br>• Petition Cover Letter<br>• Exhibit List |
| **Exhibit A** | Resume |
| **Exhibit B ELIGIBILITY CRITERIA** | **Advanced Degree:**<br>• Master's degree Diploma in Computer Science from Federal University of Mato Grosso do Sul in Brazil, and transcripts and corresponding translation<br>• Academic Evaluation |
| **Exhibit C NATIONAL INTEREST WAIVER** | **C.I – First Prong – Substantial Merit and National Importance:**<br>• Business Plan<br>• Research and Government Initiatives Supporting the Business<br>**C.II – Second Prong – Well-Positioned to Advance the Proposed Endeavor:**<br>• All the documents of Exhibit B<br>• All the courses and certificates<br>• Bachelor's Degree in Computer Science from Federal University of Mato Grosso do Sul in Brazil, and transcripts and corresponding translation<br>• Company records and contracts<br>• Employment record book<br>• Employment contract<br>• Letters of experience<br>• Accountant letters and foreign income tax<br>• Publications<br>• Salary comparison - indeed<br>• Letters of Support: |

| | |
|---|---|
| | - Mr. Guilherme Benites<br>- Mr. Gabriel Bueno de Azevedo<br>- Mr. Mario Camara Neto<br>- Dhiego Cleones Gutterres de Souza<br>- Mr. Felipe Goncalves<br>- Mr. Eymard Furtado<br>- Mr Martin Dias<br>- Mr. Thiago Meireles<br>- Prof. Wesley Nunes Goncalves<br>- Mr. Guilherme Camargo<br>- Mr. Rian Cowan<br>• Financial Feasibility: Bank Statement - Avenue |
| **Exhibit D**<br>**PERSONAL DOCUMENTS** | • Birth Certificate and Corresponding Translation<br>• Passport's Biometrics Page<br>• US Visa<br>• Marriage Certificate and Corresponding Translation<br>• Derivative's Birth Certificate and Corresponding Translation<br>• Derivative's Passport Biometrics Page<br>• Derivative's US Visa |

# e-Notification of Application/Petition Acceptance

**Department of Homeland Security**
U.S. Citizenship and Immigration Services

**USCIS**
**Form G-1145**

## What Is the Purpose of This Form?

Use this form to request an electronic notification (e-Notification) when U.S. Citizenship and Immigration Services accepts your immigration application. This service is available for applications filed at a USCIS Lockbox facility.

## General Information

Complete the information below and clip this form to the first page of your application package. You will receive one e-mail and/or text message for each form you are filing.

We will send the e-Notification within 24 hours after we accept your application. Domestic customers will receive an e-mail and/or text message; overseas customers will only receive an e-mail. Undeliverable e-Notifications cannot be resent.

The e-mail or text message will display your receipt number and tell you how to get updated case status information. It will not include any personal information. The e-Notification does not grant any type of status or benefit; rather it is provided as a convenience to customers.

USCIS will also mail you a receipt notice (I-797C), which you will receive within 10 days after your application has been accepted; use this notice as proof of your pending application or petition.

## USCIS Privacy Act Statement

**AUTHORITIES:** The information requested on this form is collected pursuant to section 103(a) of the Immigration and Nationality Act, as amended INA section 101, et seq.

**PURPOSE:** The primary purpose for providing the information on this form is to request an electronic notification when USCIS accepts immigration form. The information you provide will be used to send you a text and/or email message.

**DISCLOSURE:** The information you provide is voluntary. However, failure to provide the requested information may prevent USCIS from providing you a text and/or email message receipting your immigration form.

**ROUTINE USES:** The information provided on this form will be used by and disclosed to DHS personnel and contractors in accordance with approved routine uses, as described in the associated published system of records notices [**DHS/USCIS-007 - Benefits Information System and DHS/USCIS-001 - Alien File (A-File) and Central Index System (CIS)**, which can be found at **www.dhs.gov/privacy**]. The information may also be made available, as appropriate for law enforcement purposes or in the interest of national security.

**Complete this form and clip it on top of the first page of your immigration form(s).**

| Applicant/Petitioner Full Last Name | Applicant/Petitioner Full First Name | Applicant/Petitioner Full Middle Name |
|---|---|---|
| **LUCAS PIRES** | **Rillian Diello** | **N/A** |

| Email Address | Mobile Phone Number (Text Message) |
|---|---|
| **rilliansf@gmail.com** | **N/A** |

# Notice of Entry of Appearance as Attorney or Accredited Representative

**Department of Homeland Security**

**DHS Form G-28**
OMB No. 1615-0105
Expires 05/31/2021

## Part 1. Information About Attorney or Accredited Representative

**1.** USCIS Online Account Number (if any)

► 0 0 7 4 9 2 6 2 5 4 3 8

### *Name of Attorney or Accredited Representative*

**2.a.** Family Name (Last Name): HAVERROTH SILVA

**2.b.** Given Name (First Name): Otavio

**2.c.** Middle Name: N/A

### *Address of Attorney or Accredited Representative*

**3.a.** Street Number and Name: PO Box 90487

**3.b.** ☐ Apt. ☐ Ste. ☐ Flr. N/A

**3.c.** City or Town: San Diego

**3.d.** State: CA **3.e.** ZIP Code: 92169

**3.f.** Province: N/A

**3.g.** Postal Code: N/A

**3.h.** Country: USA

### *Contact Information of Attorney or Accredited Representative*

**4.** Daytime Telephone Number: 5102419336

**5.** Mobile Telephone Number (if any): 5102419336

**6.** Email Address (if any): otavio@legalhs.com

**7.** Fax Number (if any): N/A

## Part 2. Eligibility Information for Attorney or Accredited Representative

Select **all applicable** items.

**1.a.** ☒ I am an attorney eligible to practice law in, and a member in good standing of, the bar of the highest courts of the following states, possessions, territories, commonwealths, or the District of Columbia. If you need extra space to complete this section, use the space provided in **Part 6. Additional Information**.

Licensing Authority: California

**1.b.** Bar Number (if applicable): 343486

**1.c.** I (select **only one** box) ☒ am not ☐ am subject to any order suspending, enjoining, restraining, disbarring, or otherwise restricting me in the practice of law. If you are subject to any orders, use the space provided in **Part 6. Additional Information** to provide an explanation.

**1.d.** Name of Law Firm or Organization (if applicable): HS Law Corp

**2.a.** ☐ I am an accredited representative of the following qualified nonprofit religious, charitable, social service, or similar organization established in the United States and recognized by the Department of Justice in accordance with 8 CFR part 1292.

**2.b.** Name of Recognized Organization: N/A

**2.c.** Date of Accreditation (mm/dd/yyyy): N/A

**3.** ☐ I am associated with N/A, the attorney or accredited representative of record who previously filed Form G-28 in this case, and my appearance as an attorney or accredited representative for a limited purpose is at his or her request.

**4.a.** ☐ I am a law student or law graduate working under the direct supervision of the attorney or accredited representative of record on this form in accordance with the requirements in 8 CFR 292.1(a)(2).

**4.b.** Name of Law Student or Law Graduate: N/A

## Part 3. Notice of Appearance as Attorney or Accredited Representative

If you need extra space to complete this section, use the space provided in **Part 6. Additional Information**.

This appearance relates to immigration matters before (select **only one** box):

**1.a.** ☒ U.S. Citizenship and Immigration Services (USCIS)

**1.b.** List the form numbers or specific matter in which appearance is entered.

I-140 ETA-9089

**2.a.** ☐ U.S. Immigration and Customs Enforcement (ICE)

**2.b.** List the specific matter in which appearance is entered.

N/A

**3.a.** ☐ U.S. Customs and Border Protection (CBP)

**3.b.** List the specific matter in which appearance is entered.

N/A

**4.** Receipt Number (if any)

► N / A

**5.** I enter my appearance as an attorney or accredited representative at the request of the (select **only one** box):

☐ Applicant ☒ Petitioner ☐ Requestor
☐ Beneficiary/Derivative ☐ Respondent (ICE, CBP)

### *Information About Client (Applicant, Petitioner, Requestor, Beneficiary or Derivative, Respondent, or Authorized Signatory for an Entity)*

**6.a.** Family Name (Last Name): LUCAS PIRES

**6.b.** Given Name (First Name): Rillian Diello

**6.c.** Middle Name: N/A

**7.a.** Name of Entity (if applicable)

N/A

**7.b.** Title of Authorized Signatory for Entity (if applicable)

N/A

**8.** Client's USCIS Online Account Number (if any)

► N/A

**9.** Client's Alien Registration Number (A-Number) (if any)

► A- N/A

### *Client's Contact Information*

**10.** Daytime Telephone Number

+55 67 99946-2784

**11.** Mobile Telephone Number (if any)

+55 67 99946-2784

**12.** Email Address (if any)

rilliansf@gmail.com

### *Mailing Address of Client*

**NOTE:** Provide the client's mailing address. **Do not** provide the business mailing address of the attorney or accredited representative **unless** it serves as the safe mailing address on the application or petition being filed with this Form G-28.

**13.a.** Street Number and Name: PO Box 90487

**13.b.** ☐ Apt. ☐ Ste. ☐ Flr. N/A

**13.c.** City or Town: San Diego

**13.d.** State: CA **13.e.** ZIP Code: 92169

**13.f.** Province: N/A

**13.g.** Postal Code: N/A

**13.h.** Country

USA

## Part 4. Client's Consent to Representation and Signature

### *Consent to Representation and Release of Information*

I have requested the representation of and consented to being represented by the attorney or accredited representative named in **Part 1.** of this form. According to the Privacy Act of 1974 and U.S. Department of Homeland Security (DHS) policy, I also consent to the disclosure to the named attorney or accredited representative of any records pertaining to me that appear in any system of records of USCIS, ICE, or CBP.

## Part 4. Client's Consent to Representation and Signature (continued)

### *Options Regarding Receipt of USCIS Notices and Documents*

USCIS will send notices to both a represented party (the client) and his, her, or its attorney or accredited representative either through mail or electronic delivery. USCIS will send all secure identity documents and Travel Documents to the client's U.S. mailing address.

If you want to have notices and/or secure identity documents sent to your attorney or accredited representative of record rather than to you, please select **all applicable** items below. You may change these elections through written notice to USCIS.

**1.a.** ☒ I request that USCIS send original notices on an application or petition to the business address of my attorney or accredited representative as listed in this form.

**1.b.** ☒ I request that USCIS send any secure identity document (Permanent Resident Card, Employment Authorization Document, or Travel Document) that I receive to the U.S. business address of my attorney or accredited representative (or to a designated military or diplomatic address in a foreign country (if permitted)).

**NOTE:** If your notice contains Form I-94, Arrival-Departure Record, USCIS will send the notice to the U.S. business address of your attorney or accredited representative. If you would rather have your Form I-94 sent directly to you, select **Item Number 1.c.**

**1.c.** ☐ I request that USCIS send my notice containing Form I-94 to me at my U.S. mailing address.

### *Signature of Client or Authorized Signatory for an Entity*

**2.a.** Signature of Client or Authorized Signatory for an Entity

➡ William Dillo Lucas Reis

**2.b.** Date of Signature (mm/dd/yyyy) 09/30/2026

## Part 5. Signature of Attorney or Accredited Representative

I have read and understand the regulations and conditions contained in 8 CFR 103.2 and 292 governing appearances and representation before DHS. I declare under penalty of perjury under the laws of the United States that the information I have provided on this form is true and correct.

**1. a.** Signature of Attorney or Accredited Representative

**1.b.** Date of Signature (mm/dd/yyyy) 09/30/2026

**2.a.** Signature of Law Student or Law Graduate

N/A

**2.b.** Date of Signature (mm/dd/yyyy) N/A

## Part 6. Additional Information

If you need extra space to provide any additional information within this form, use the space below. If you need more space than what is provided, you may make copies of this page to complete and file with this form or attach a separate sheet of paper. Type or print your name at the top of each sheet; indicate the **Page Number**, **Part Number**, and **Item Number** to which your answer refers; and sign and date each sheet.

**1.a** Family Name (Last Name): LUCAS PIRES

**1.b.** Given Name (First Name): Rillian Diello

**1.c.** Middle Name: N/A

**2.a.** Page Number: N/A **2.b.** Part Number: N/A **2.c.** Item Number: N/A

**2.d.** N/A

**3.a.** Page Number: N/A **3.b.** Part Number: N/A **3.c.** Item Number: N/A

**3.d.** N/A

**4.a.** Page Number: N/A **4.b.** Part Number: N/A **4.c.** Item Number: N/A

**4.d.** N/A

**5.a.** Page Number: N/A **5.b.** Part Number: N/A **5.c.** Item Number: N/A

**5.d.** N/A

**6.a.** Page Number: N/A **6.b.** Part Number: N/A **6.c.** Item Number: N/A

**6.d.** N/A

# Immigrant Petition for Alien Workers

**Department of Homeland Security**
U.S. Citizenship and Immigration Services

**USCIS**
**Form I-140**
OMB No. 1615-0015
Expires 02/28/2027

| For USCIS Use Only | Fee Stamp | Priority Date | Consulate | Action Block |
|---|---|---|---|---|
| | | | | |

**Classification**

- ☐ 203(b)(1)(A) Alien of Extraordinary Ability
- ☐ 203(b)(1)(B) Outstanding Professor or Researcher
- ☐ 203(b)(1)(C) Multinational Executive or Manager
- ☐ 203(b)(2) Member of Professions with Advanced Degree/Exceptional Ability
- ☐ 203(b)(3)(A)(i) Skilled Worker
- ☐ 203(b)(3)(A)(ii) Professional
- ☐ 203(b)(3)(A)(iii) Other Worker

**Certification**

- ☐ National Interest Waiver (NIW)
- ☐ Schedule A, Group I
- ☐ Schedule A, Group II

**Remarks**

| To be completed by an Attorney or Accredited Representative (if any). | ☒ Select this box if Form G-28 or Form G-28I is attached. | Attorney State Bar Number (if applicable) | Attorney or Accredited Representative USCIS Online Account Number (if any) |
|---|---|---|---|
| | | 343486 | 007492625438 |

► **START HERE - Type or print in black ink.**

## Part 1. Information About the Person or Organization Filing This Petition

If an individual is filing this petition, answer **Item Numbers 1.a. - 1.c.** If a company or organization is filing this petition, answer **Item Number 2.**

**1.a.** Family Name (Last Name): LUCAS PIRES

**1.b.** Given Name (First Name): Rillian Diello

**1.c.** Middle Name: N/A

**2.** Company or Organization Name: N/A

### *Mailing Address*

**3.a.** In Care Of Name: Otavio Haverroth Silva

**3.b.** Street Number and Name: PO Box 90487

**3.c.** ☐ Apt. ☐ Ste. ☐ Flr. N/A

**3.d.** City or Town: San Diego

**3.e.** State: CA **3.f.** ZIP Code: 92169

**3.g.** Province: N/A

**3.h.** Postal Code: N/A

**3.i.** Country: USA

### *Other Information*

**4.** IRS Employer Identification Number (EIN) ► N/A

**5.** Are you a nonprofit organized as tax exempt or a governmental research organization? ☐ Yes ☒ No

**6.** Do you currently employ a total of 25 or fewer full-time equivalent employees in the United States, including all affiliates or subsidiaries of this company/organization? ☒ Yes ☐ No

**7.** U.S. Social Security Number (SSN) (if any) ► N/A

**8.** USCIS Online Account Number (if any) ► N/A

## Part 2. Petition Type

This petition is being filed for (select **only one** box):

**1.a.** ☐ An alien of extraordinary ability.

**1.b.** ☐ An outstanding professor or researcher.

**1.c.** ☐ A multinational executive or manager.

**1.d.** ☐ A member of the professions holding an advanced degree or an alien of exceptional ability (who is **NOT** seeking a National Interest Waiver (NIW)).

**1.e.** ☐ A professional (at a minimum, possessing a bachelor's degree or a foreign degree equivalent to a U.S. bachelor's degree).

## Part 2. Petition Type (continued)

**1.f.** ☐ A skilled worker (requiring at least two years of specialized training or experience).

**1.g.** ☐ Any other worker (requiring less than two years of training or experience).

**1.h.** ☒ An alien applying for an NIW (who **IS** a member of the professions holding an advanced degree or an alien of exceptional ability).

This petition is being filed (select **only one** box):

**2.a.** ☐ To amend a previously filed petition.

Previous Petition Receipt Number

► N/A

**2.b.** ☐ For the Schedule A, Group I or II designation.

## Part 3. Information About the Person for Whom You Are Filing

**1.a.** Family Name (Last Name): LUCAS PIRES

**1.b.** Given Name (First Name): Rillian Diello

**1.c.** Middle Name: N/A

### *Mailing Address*

**2.a.** In Care Of Name: Otavio Haverroth Silva

**2.b.** Street Number and Name: PO Box 90487

**2.c.** ☐ Apt. ☐ Ste. ☐ Flr. N/A

**2.d.** City or Town: San Diego

**2.e.** State: CA **2.f.** ZIP Code: 92169

**2.g.** Province: N/A

**2.h.** Postal Code: N/A

**2.i.** Country: USA

### *Other Information*

**3.** Date of Birth (mm/dd/yyyy): 12/27/1990

**4.** City/Town/Village of Birth: Jales

**5.** State or Province of Birth: Sao Paulo

**6.** Country of Birth: Brazil

**7.** Country of Citizenship or Nationality: Brazil

**8.** Alien Registration Number (A-Number) (if any)

► A- N/A

**9.** U.S. SSN (if any) ► N/A

### *Information About His or Her Last Arrival in the United States*

If the person for whom you are filing is in the United States, provide the following information.

**10.** Date of Last Arrival (mm/dd/yyyy): N/A

**11.a.** Form I-94 Arrival-Departure Record Number

► N/A

**11.b.** Expiration Date of Authorized Stay Shown on Form I-94 (mm/dd/yyyy): N/A

**11.c.** Status on Form I-94 (for example, class of admission, or paroled, if paroled): N/A

**12.** Passport Number: N/A

**13.** Travel Document Number: N/A

**14.** Country of Issuance for Passport or Travel Document: N/A

**15.** Expiration Date for Passport or Travel Document (mm/dd/yyyy): N/A

## Part 4. Processing Information

Provide the following information for the person named in **Part 3.** (select **only one** box):

**1.a.** ☒ Alien will apply for a visa abroad at a U.S. Embassy or U.S. Consulate at:

**1.b.** City or Town: Rio de Janeiro

**1.c.** Country: Brazil

**2.a.** ☐ Alien is in the United States and will apply for adjustment of status to that of lawful permanent resident.

## Part 4. Processing Information (continued)

**2.b.** Alien's current country of residence or, if now in the United States, last country of permanent residence abroad.

Brazil

If you provided a United States address in **Part 3.**, provide the person's foreign address in **Item Numbers 3.a. - 3.f.**:

**3.a.** Street Number and Name: 3015 Treze de Junho St

**3.b.** ☐ Apt. ☐ Ste. ☐ Flr. N/A

**3.c.** City or Town: Campo Grande

**3.d.** Province: Mato Grosso do Sul

**3.e.** Postal Code: 79010200

**3.f.** Country

Brazil

If the person's native alphabet is other than Roman letters, type or print the person's foreign name and address in the native alphabet in **Item Numbers 4.a. - 4.c.**:

**4.a.** Family Name (Last Name): N/A

**4.b.** Given Name (First Name): N/A

**4.c.** Middle Name: N/A

### *Mailing Address*

**5.a.** In Care Of Name

N/A

**5.b.** Street Number and Name: N/A

**5.c.** ☐ Apt. ☐ Ste. ☐ Flr. N/A

**5.d.** City or Town: N/A

**5.e.** Province: N/A

**5.f.** Postal Code: N/A

**5.g.** Country

N/A

If you answer "Yes" to **Item Numbers 6.a. - 10.**, provide the case number, office location, date of decision, and disposition of the decision in the space provided in **Part 11. Additional Information**.

**6.a.** Are you filing any other petitions or applications with this Form I-140? ☐ Yes ☒ No

**6.b.** If you answered "Yes" **to Item Number 6.a.**, select all applicable boxes:

☐ Form I-485

☐ Form I-131

☐ Form I-765

☐ Other (Provide an explanation in **Part 11. Additional Information**.)

**7.** Is the person for whom you are filing in removal proceedings? ☐ Yes ☒ No

**8.** Has any immigrant visa petition ever been filed by or on behalf of this person? ☐ Yes ☒ No

**9.** Are you filing this petition without an original labor certification because the original labor certification was previously submitted in support of another Form I-140? ☐ Yes ☒ No

**10.** If you are filing this petition without an original labor certification, are you requesting that U.S. Citizenship and Immigration Services (USCIS) request a duplicate labor certification from the Department of Labor (DOL)? ☐ Yes ☒ No

## Part 5. Additional Information About the Petitioner

Type of petitioner (select **only one** box):

**1.a.** ☐ Employer

**1.b.** ☒ Self

**1.c.** ☐ Other (For example, Lawful Permanent Resident, U.S. citizen or any other person filing on behalf of the alien)

N/A

If a company or an organization is filing this petition, provide the following information:

**2.** Type of Business

N/A

**3.** Date Established (mm/dd/yyyy): N/A

**4.** Current Number of U.S. Employees: N/A

**5.** Gross Annual Income $ N/A

**6.** Net Annual Income $ N/A

**7.** NAICS Code ▶ N/A

**8.** Labor Certification DOL Case Number

N/A

## Part 5. Additional Information About the Petitioner (continued)

**9.** Labor Certification DOL Filing Date (mm/dd/yyyy)

N/A

**10.** Labor Certification Expiration Date (mm/dd/yyyy)

N/A

If an individual is filing this petition, provide the following information.

**11.** Occupation

Software Developer

**12.** Annual Income $ N/A

## Part 6. Basic Information About the Proposed Employment

**1.** Job Title

Chief Executives

**2.** SOC Code ▶ 11 - 1011

**3.** Nontechnical Job Description

See page 8.

**4.** Is this a full-time position? ☒ Yes ☐ No

**5.** If the answer to **Item Number 4.** is "No," how many hours per week for the position?

N/A

**6.** Is this a permanent position? ☒ Yes ☐ No

**7.** Is this a new position? ☒ Yes ☐ No

**8.** Wages (Specify hour, week, month, or year):

$ 110,000.00 per year

### *Worksite Location*

For **Item Numbers 9.a. - 9.e.**, provide the address where the person will work if different from the address provided in **Part 1.**

**9.a.** Street Number and Name: To be Determined

**9.b.** ☐ Apt. ☐ Ste. ☐ Flr. TBD

**9.c.** City or Town: Austin

**9.d.** State: TX **9.e.** ZIP Code: TBD

## Part 7. Information About the Spouse and All Children of the Person for Whom You Are Filing

For **Part 7.**, provide information on the spouse and all children related to the individual for whom you are filing this petition. Also, note if the individual will apply for a visa abroad or adjustment of status as the dependent of the individual for whom the petition is filed. If you need extra space to provide information about additional family members, use the space provided in **Part 11. Additional Information**.

**Person 1**

**1.a.** Family Name (Last Name): LUCAS GOMES

**1.b.** Given Name (First Name): Luciana

**1.c.** Middle Name: N/A

**2.** Date of Birth (mm/dd/yyyy): 01/09/1991

**3.** Country of Birth: Brazil

**4.** Relationship: Spouse

**5.** Is he or she applying for adjustment of status? ☐ Yes ☒ No

**6.** Is he or she applying for a visa abroad? ☒ Yes ☐ No

**Person 2**

**7.a.** Family Name (Last Name): LUCAS GOMES PIRES

**7.b.** Given Name (First Name): Miguel

**7.c.** Middle Name: N/A

**8.** Date of Birth (mm/dd/yyyy): 07/01/2025

**9.** Country of Birth: Brazil

**10.** Relationship: Son

**11.** Is he or she applying for adjustment of status? ☐ Yes ☒ No

**12.** Is he or she applying for a visa abroad? ☒ Yes ☐ No

## Part 7. Information About Spouse and All Children of the Person for Whom You Are Filing (continued)

**Person 3**

**13.a.** Family Name (Last Name) N/A

**13.b.** Given Name (First Name) N/A

**13.c.** Middle Name N/A

**14.** Date of Birth (mm/dd/yyyy) N/A

**15.** Country of Birth

N/A

**16.** Relationship N/A

**17.** Is he or she applying for adjustment of status? ☐ Yes ☐ No

**18.** Is he or she applying for a visa abroad? ☐ Yes ☐ No

**Person 4**

**19.a.** Family Name (Last Name) N/A

**19.b.** Given Name (First Name) N/A

**19.c.** Middle Name N/A

**20.** Date of Birth (mm/dd/yyyy) N/A

**21.** Country of Birth

N/A

**22.** Relationship N/A

**23.** Is he or she applying for adjustment of status? ☐ Yes ☐ No

**24.** Is he or she applying for a visa abroad? ☐ Yes ☐ No

**Person 5**

**25.a.** Family Name (Last Name) N/A

**25.b.** Given Name (First Name) N/A

**25.c.** Middle Name N/A

**26.** Date of Birth (mm/dd/yyyy) N/A

**27.** Country of Birth

N/A

**28.** Relationship N/A

**29.** Is he or she applying for adjustment of status? ☐ Yes ☐ No

**30.** Is he or she applying for a visa abroad? ☐ Yes ☐ No

**Person 6**

**31.a.** Family Name (Last Name) N/A

**31.b.** Given Name (First Name) N/A

**31.c.** Middle Name N/A

**32.** Date of Birth (mm/dd/yyyy) N/A

**33.** Country of Birth

N/A

**34.** Relationship N/A

**35.** Is he or she applying for adjustment of status? ☐ Yes ☐ No

**36.** Is he or she applying for a visa abroad? ☐ Yes ☐ No

## Part 8. Contact Information, Certification, and Signature of the Petitioner or Authorized Signatory

### *Petitioner or Authorized Signatory's Contact Information*

**1.a.** Petitioner's or Authorized Signatory's Family Name (Last Name)

LUCAS PIRES

**1.b.** Petitioner's or Authorized Signatory's Given Name (First Name)

Rillian Diello

**2.** Petitioner's or Authorized Signatory's Title

N/A

**3.** Petitioner's or Authorized Signatory's Daytime Telephone Number

+55 (67) 99946-2784

**4.** Petitioner's or Authorized Signatory's Mobile Telephone Number (if any)

+55 (67) 99946-2784

**5.** Petitioner's or Authorized Signatory's Email Address (if any)

rilliansf@gmail.com

### *Petitioner's or Authorized Signatory's Certification and Signature*

If filing this petition on behalf of an organization, I certify that I am authorized to do so by the organization:

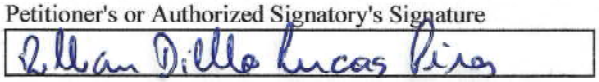
**a.** I reviewed and provided or authorized all of the responses and information in my petition;

**b.** I understood all of the responses and information contained in, and submitted with, my petition; and

**c.** All of the responses and information were complete, true, and correct at the time of filing

Furthermore, I authorize the release of any information from any and all of my records as authorized signatory and the petitioner's records that USCIS may need to determine the petitioner's eligibility for an immigration request and to other entities and persons where necessary for the administration and enforcement of U.S. immigration law.

**6.a.** Petitioner's or Authorized Signatory's Signature



**6.b.** Date of Signature (mm/dd/yyyy) 09/28/2026

## Part 9. Interpreter's Contact Information, Certification, and Signature

### *Interpreter's Full Name*

**1.a.** Interpreter's Family Name (Last Name)

N/A

**1.b.** Interpreter's Given Name (First Name)

N/A

**2.** Interpreter's Business or Organization Name

N/A

### *Interpreter's Contact Information*

**3.** Interpreter's Daytime Telephone Number

N/A

**4.** Interpreter's Mobile Telephone Number (if any)

N/A

**5.** Interpreter's Email Address (if any)

N/A

### *Interpreter's Certification and Signature*

I certify, under penalty of perjury, that I am fluent in English and N/A, and I have interpreted every question on the petition and Instructions and interpreted the petitioner's or authorized signatory's answers to the questions in that language, and the petitioner or authorized signatory informed me that they understood every instruction, question, and answer on the petition.

**6.a.** Interpreter's Signature

N/A

**6.b.** Date of Signature (mm/dd/yyyy) N/A

## Part 10. Contact Information, Certification, and Signature of the Person Preparing this Petition, if Other Than the Petitioner or Authorized Signatory

### *Preparer's Full Name*

**1.** Preparer's Family Name (Last Name)

HAVERROTH SILVA

Preparer's Given Name (First Name)

Otavio

**2.** Preparer's Business or Organization Name

HS Law Corp

### *Preparer's Contact Information*

**3.** Preparer's Daytime Telephone Number

5102419336

**4.** Preparer's Mobile Telephone Number (if any)

5102419336

**5.** Preparer's Email Address (if any)

otavio@legalhs.com

### *Preparer's Certification and Signature*

I certify, under penalty of perjury, that I prepared this petition for the petitioner or authorized signatory at their request and with express consent and that all of the responses and information contained in and submitted with the petition are complete, true, and correct and reflects only information provided by the petitioner or authorized signatory. The petitioner or authorized signatory reviewed the responses and information and informed me that they understand the responses and information in or submitted with the petition.

**6.** Preparer's Signature



Date of Signature (mm/dd/yyyy) 09/28/2026

## Part 11. Additional Information

If you need extra space to provide any additional information within this petition, use the space below. If you need more space than what is provided, you may make copies of this page to complete and file with this petition or attach a separate sheet of paper. Type or print your name and A-Number (if any) at the top of each sheet; indicate the **Page Number**, **Part Number**, and **Item Number** to which your answer refers; and sign and date each sheet.

**1.** Family Name (Last Name): LUCAS PIRES

Given Name (First Name): Rillian Diello

Middle Name: N/A

**2.** IRS EIN ▶ N/A

**3.**

| Page Number | Part Number | Item Number |
|---|---|---|
| 4 | 6 | 3 |

As Founder and Chief Technology Officer, lead the technology strategy, AI architecture, platform scalability, computer vision development, engineering standards, data security, cloud infrastructure, and integration of emerging AI technologies, overseeing the development, implementation, and expansion of the systems supporting the proposed endeavor.

**4.**

| Page Number | Part Number | Item Number |
|---|---|---|
| N/A | N/A | N/A |

N/A

**5.**

| Page Number | Part Number | Item Number |
|---|---|---|
| N/A | N/A | N/A |

N/A

**6.**

| Page Number | Part Number | Item Number |
|---|---|---|
| N/A | N/A | N/A |

N/A

**7.**

| Page Number | Part Number | Item Number |
|---|---|---|
| N/A | N/A | N/A |

N/A

*Employment OMB Approval: 1205-0451*
*Expiration Date: 02/28/2029*

Application for Permanent Employment Certification
Form ETA-9089 – Final Determination: Permanent Employment Certification Approval
**U.S. Department of Labor**

# PERMANENT EMPLOYMENT CERTIFICATION APPROVAL

## A. U.S. Government Agency Use Only

Pursuant to the provisions of Sections 212(a)(5)(A) of the Immigration and Nationality Act, as amended, the Department hereby certifies that there are not sufficient workers who are able, willing, and qualified, and who will be available at the time of application for a visa and admission into the United States and place needed to fill the job opportunities for which certification is sought, and the permanent employment of the foreign worker will not adversely affect the wages and working conditions of workers in the United States similarly employed.

Therefore, by virtue of the signature below, the Department hereby acknowledges granting certification for the following *Application for Permanent Employment Certification* (Form ETA-9089):

| | | |
|---|---|---|
| 1. DOL Case Number | | 2. Case Status |
| 3. Employer Legal Business Name | | 4. Employer FEIN |
| 5. Foreign Worker's Last (family) Name | | |
| 6. Foreign Worker's First (given) Name | | |
| 7. Foreign Worker's Middle Name(s) | | |
| 8. Job Title | | |
| 9. SOC Code | 10. SOC Occupational Title | |
| **Labor Certification Validity Information** | | |
| 11. Filing Date | 12. Determination Date | 13. Expiration Date |
| 14. Department of Labor<br>Office of Foreign Labor Certification<br>*(electronic signature)* | | |

Pursuant to 20 CFR 656, the aforementioned permanent labor certification is valid only for the job opportunity, the foreign worker, and the area of intended employment specified on the approved Form ETA-9089, including all appendices and any modifications approved by the Department. The aforementioned filing date on this approved *Application for Permanent Employment Certification*, established under 20 CFR 656.17(c), may be used as a priority date by the Department of Homeland Security and the Department of State, as appropriate. This approved *Application for Permanent Employment Certification* will expire if not filed in support of *Immigrant Petition for Alien Workers* (Form I-140) with the Department of Homeland Security by the aforementioned expiration date.

The foreign worker covered by this approved *Application for Permanent Employment Certification* has declared under Section B below, under penalty of perjury, that the foreign worker has read and reviewed every page of Appendix A for this approved Form ETA-9089, takes full responsibility for the accuracy of all information contained therein, and intends to accept permanent employment in the job opportunity specified on the approved Form ETA-9089, including all appendices, offered by the employer if granted a visa or an adjustment of status based on this permanent labor certification.

The employer covered by this approved *Application for Permanent Employment Certification* has declared under Section D below under penalty of perjury that it has read and reviewed every page of this approved Form ETA-9089, including all appendices, and takes full responsibility for the accuracy of all information contained therein and all documentation supporting this approved *Application for Permanent Employment Certification*, including any representations made by the employer's authorized preparer, agent or attorney, as applicable.

OMB Approval: 1205-0451
Expiration Date:02/28/2029

Application for Permanent Employment Certification
Form ETA-9089 – Final Determination: Permanent Labor Certification Approval
**U.S. Department of Labor**

## B. Foreign Worker Declaration

**I declare** under penalty of perjury that I have read and reviewed all information contained in Appendix A of this approved Form ETA-9089, and that to the best of my knowledge the information contained therein is true and accurate. *I understand that to knowingly and/or willfully furnish materially false information in the preparation of this form and any supplement thereto or to aid, abet, or counsel another to do so is a federal offense punishable by fines, imprisonment, or both (18 U.S.C. 2, 1001, 1546, 1621).*

**I further declare** that I am the person identified under Section A, Fields 5, 6, and 7 above. I did not participate in any activities involving the interviewing or consideration of U.S. workers and intend to accept permanent employment in the job opportunity specified on this approved Form ETA-9089, including all appendices, offered by the employer if granted a visa or an adjustment of status based on this permanent labor certification.

| 1. Signature * | 2. Date Signed * |
|---|---|
| William D. de Lucas Pires | 09/30/2026 |

## C. Attorney or Agent Declaration

**I declare** under penalty of perjury that I am an attorney for the employer, or that I am an employee of, or hired by, the employer listed in Section C of the Form ETA-9089, and that I have been designated by that employer in accordance with 20 CFR 656.10(b) to act on its behalf in connection with this application.

**I hereby certify** that I have provided to the employer the entire Form ETA-9089, appendices, and all supporting documentation for review and to the best of my knowledge the information contained herein is true and accurate, including the employer's declaration regarding activities that I have undertaken on the employer's behalf in connection with this application. *I understand that to knowingly and/or willfully furnish materially false information in the preparation of this form and any supplement hereto or to aid, abet, or counsel another to do so is a federal offense punishable by fines, imprisonment, or both (18 U.S.C. 2, 1001, 1546, 1621).*

| 1. Attorney or Agent's Last (family) Name * | 2. First (given) Name * | 3. Middle Initial § |
|---|---|---|
| HAVERROTH SILVA | Otavio | N/A |
| 4. Firm/Business Name § | | |
| HS Law Corp | | |
| 5. Signature * | | 6. Date Signed * |
| | | 09/30/2026 |

## D. Employer Declaration

**I hereby designate** the agent or attorney identified in Section C (if any) of the Form ETA-9089 to represent me for the purpose of labor certification and, by virtue of my signature in Field 5 below, **I take full responsibility** for the accuracy of any representations made by my agent or attorney, and my designated preparer identified in Section C above, on every page of the Form ETA-9089, including all appendices, and documentation supporting this application.

**I declare** under penalty of perjury that I have read and reviewed this application, including every page of the Form ETA-9089, appendices, and supporting documentation, and that to the best of my knowledge the information contained therein is true and accurate. *I understand that to knowingly and/or willfully furnish materially false information in the preparation of this form and any supplement thereto or to aid, abet, or counsel another to do so is a federal offense punishable by fines, imprisonment, or both (18 U.S.C. 2, 1001, 1546, 1621).*

| 1. Last (family) Name * | 2. First (given) Name * | 3. Middle Initial § |
|---|---|---|
| | | |
| 4. Title * | | |
| | | |
| 5. Signature * | | 6. Date Signed * |
| | | |

**For Public Burden Statement, see the Instructions for Form ETA-9089.**



PERM Case Number: _____ Case Status: _____ Determination Date: _____ Expiration Date: _____

*OMB Approval: 1205-0451*
*Expiration Date:02/28/2029*

Application for Permanent Employment Certification
Form ETA-9089 – Appendix A: Foreign Worker Information
**U.S. Department of Labor**

# FOREIGN WORKER INFORMATION

## *A. Foreign Worker Contact Information*

| | | |
|---|---|---|
| 1. Foreign Worker's Last (family) Name *<br>LUCAS PIRES | | |
| 2. Foreign Worker's First (given) Name *<br>Rillian Diello | | |
| 3. Foreign Worker's Middle Name(s) *<br>N/A | | |
| 4. Address 1 *(current)* *<br>3015, Treze de Junho St., Monte Castelo | | |
| 5. Address 2 *(apartment/suite/floor and number)* ***§***<br>N/A | | |
| 6. City *<br>Campo Grande | 7. State *<br>N/A | 8. Postal Code *<br>79010-200 |
| 9. Country *<br>Brazil | 10. Province ***§***<br>Mato Grosso do Sul | |
| 11. Date of Birth *(mm/dd/yyyy)* *<br>12/27/1990 | 12. Class of Admission *<br> | 13. Alien Registration Number (A#) (if applicable) *<br>0 |
| 14. Country of Birth *<br>Brazil | | |
| 15. Country of Citizenship or Nationality *<br>Brazil | | |

## *B. Foreign Worker Education §*

### *a. Educational Attainment Information 1*

| | |
|---|---|
| 1. Education: U.S. Diploma/Degree attained relevant to the job opportunity<br>☐ None ☐ High School/GED ☐ Associate ☐ Bachelor's ■ Master's ☐ Doctorate (PhD) ☐ Other Degree (JD, MD, etc.) | |
| 1a. If "Other Degree" in question 1, specify the diploma/degree attained<br>N/A | |
| 1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field)<br>Computer Science | |
| 1c. Name of Institution that issued the degree/diploma<br>Fundação Universidade Federal do Mato Grosso do Sul | |
| 1d. Name of Country of institution identified in question 1c<br>Brazil | 1e. Month/year attained (*mm/yyyy*)<br>08/2017 |

### *b. Educational Attainment Information 2*

| | |
|---|---|
| 1. Education: U.S. Diploma/Degree attained relevant to the job opportunity<br>☐ None ☐ High School/GED ☐ Associate ■ Bachelor's ☐ Master's ☐ Doctorate (PhD) ☐ Other Degree (JD, MD, etc.) | |
| 1a. If "Other Degree" in question 1, specify the diploma/degree attained<br>N/A | |
| 1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field)<br>Computer Science | |
| 1c. Name of Institution that issued the degree/diploma<br>Fundação Universidade Federal do Mato Grosso do Sul | |
| 1d. Name of Country of Institution identified in question 1c<br>Brazil | 1e. Month/year attained (*mm/yyyy*)<br>08/2014 |

***B. Foreign Worker Education** (continued)*

***c. Educational Attainment Information 3***

| 1. Education: U.S. Diploma/Degree attained relevant to the job opportunity<br>▣ None ☐ High School/GED ☐ Associate ☐ Bachelor's ☐ Master's ☐ Doctorate (PhD) ☐ Other Degree (JD, MD, etc.) | |
|---|---|
| 1a. If "Other Degree" in question 1, specify the diploma/degree attained<br>N/A | |
| 1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field)<br>N/A | |
| 1c. Name of Institution that issued the degree/diploma<br>N/A | |
| 1d. Name of Country of Institution identified in question 1c<br>N/A | 1e. Month/year attained (*mm/yyyy*)<br>N/A |

***d. Educational Attainment Information 4***

| 1. Education: U.S. Diploma/Degree attained relevant to the job opportunity<br>▣ None ☐ High School/GED ☐ Associate's ☐ Bachelor's ☐ Master's ☐ Doctorate (PhD) ☐ Other Degree (JD, MD, etc.) | |
|---|---|
| 1a. If "Other Degree" in question 1, specify the diploma/degree attained<br>N/A | |
| 1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field)<br>N/A | |
| 1c. Name of Institution that issued the degree/diploma<br>N/A | |
| 1d. Name of Country of Institution identified in question 1c<br>N/A | 1e. Month/year attained (*mm/yyyy*)<br>N/A |

***e. Educational Attainment Information 5***

| 1. Education: U.S. Diploma/Degree attained relevant to the job opportunity<br>▣ None ☐ High School/GED ☐ Associate's ☐ Bachelor's ☐ Master's ☐ Doctorate (PhD) ☐ Other Degree (JD, MD, etc.) | |
|---|---|
| 1a. If "Other Degree" in question 1, specify the diploma/degree attained<br>N/A | |
| 1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field)<br>N/A | |
| 1c. Name of Institution that issued the degree/diploma<br>N/A | |
| 1d. Name of Country of Institution identified in question 1c<br>N/A | 1e. Month/year attained (*mm/yyyy*) |

***C. Foreign Worker Training Qualifications §***

***a. Training, Certification(s), and/or License(s) Information 1***

| 1. Name of Institution/School/Training provider<br>Full Cycle |
|---|
| 1a. Name of training, coursework, experience received<br>Event Storming in Practice |

| 1b. Training/Certifications/licenses attained (if applicable) | | |
|---|---|---|
| N/A | | |
| 1c. Start date of training (*mm/yyyy*) | 1d. End date of training (*mm/yyyy*) | 1e. Month/year awarded (*mm/yyyy*) |
| 08/2025 | 08/2025 | 08/2025 |

***b. Training, Certification(s), and/or License(s) Information 2***

| 1. Name of Institution/School/Training provider | | |
|---|---|---|
| Full Cycle | | |
| 1a. Name of training, coursework, experience received | | |
| Domain Driven Design | | |
| 1b. Training/Certifications/Licenses attained (if applicable) | | |
| N/A | | |
| 1c. Start date of training (*mm/yyyy*) | 1d. End date of training (*mm/yyyy*) | 1e. Month/year awarded (*mm/yyyy*) |
| 07/2025 | 07/2025 | 07/2025 |

***c. Training, Certification(s), and/or License(s) Information 3***

| 1. Name of Institution/School/Training provider | | |
|---|---|---|
| Full Cycle | | |
| 1a. Name of training, coursework, experience received | | |
| Systems Communications | | |
| 1b. Training/certifications/licenses attained (if applicable) | | |
| N/A | | |
| 1c. Start date of training (*mm/yyyy*) | 1d. End date of training (*mm/yyyy*) | 1e. Month/year awarded (*mm/yyyy*) |
| 05/2025 | 07/2025 | 07/2025 |

***D. Foreign Worker Training Qualifications §***

***a. Skills, Abilities, and Proficiencies 1***

| 1. Name of Employer/Institution/School/Training Provider | |
|---|---|
| N/A | |
| 1a. Country | 1b. State, Territory, or Province |
| N/A | N/A |
| 1c. Description of specific skills, abilities, and/or proficiencies the foreign worker possesses or attained, which help establish whether the foreign worker meets the requirements identified for the job opportunity *(up to 1,500 characters)* | |
| N/A | |

***b. Skills, Abilities, and Proficiencies 2***

| 1. Name of Employer/Institution/School/Training Provider | |
|---|---|
| N/A | |
| 1a. Country | 1b. State, Territory, or Province |
| N/A | N/A |
| 1c. Description of specific skills, abilities, and/or proficiencies the foreign worker possesses or attained, which help establish whether the foreign worker meets the requirements identified for the job opportunity *(up to 1,500 characters)* | |

**E. Foreign Worker Work Experience §**

***a. Work Experience 1***

| 1. Employer Name | | | |
|---|---|---|---|
| Swoogo | | | |
| 1a. Address 1 | | | |
| 1925 Century Park East | | | |
| 1b. Address 2 | | | |
| Suite 1700 | | | |
| 1c. City or Town | | | 1d. Postal Code |
| Los Angeles | | | 90067 |
| 1e. Country | | 1f. State, Territory, or Province | |
| United States | | California | |
| 1g. Job Title | | | |
| Senior Software Engineer | | | |
| 1h. Start Date *(mm/yyyy)* | 1i. End Date *(mm/yyyy)* | 1j. Present | 1k. Hours Worked Per Week |
| 04/2024 | | ■ Yes ☐ No | 40 |

1l. Job Duties: Specify details of the job (work tasks performed, use of tools/equipment, supervision, etc.) (*up to 3,500 characters*)

**As a Senior Software Engineer at Swoogo, focusing on the development of high-scale systems for the event management industry. His core stack includes PHP with the Yii2 Framework, Redis, and PostgreSQL, ensuring high availability and performance. Manages environment consistency using Docker and oversees the full software development lifecycle through Code Reviews, Quality Assurance (QA), and technical scoping for accurate task estimation. Currently, driving technological evolution by integrating Generative AI into the daily engineering workflow. Using Claude Code, develops Model Context Protocols (MCP) and automated routines, transforming AI into an operational layer that optimizes everything from code generation to internal process automation.**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

*OMB Approval: 1205-0451*
*Expiration Date: 02/28/2029*

Application for Permanent Employment Certification
Form ETA-9089 – Appendix C: Supplemental Information
**U.S. Department of Labor**

# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 4**
**Name of Institution provider: Full Cycle**
**Name of coursework received: Docker**
**Start date of training: 03/2025**
**End date of training: 05/2025**
**Month/year awarded: 05/2025**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 5**
**Name of Institution provider: Full Cycle**
**Name of coursework received: Fundamentals of Software Architecture**
**Start date of training: 05/2025**
**End date of training: 05/2025**
**Month/year awarded: 05/2025**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

*OMB Approval: 1205-0451*
*Expiration Date: 02/28/2029*



# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 6**
**Name of Institution provider: Full Cycle**
**Name of coursework received: SOLID Express**
**Start date of training: 05/2025**
**End date of training: 05/2025**
**Month/year awarded: 05/2025**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 7**
**Name of Institution provider: UDEMY**
**Name of coursework received: Laravel: Building REST APIs**
**Start date of training: 05/02/2022**
**End date of training: 05/02/2022**
**Month/year awarded: 05/2022**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

*OMB Approval: 1205-0451*
*Expiration Date: 02/28/2029*

Application for Permanent Employment Certification
Form ETA-9089 – Appendix C: Supplemental Information
**U.S. Department of Labor**

# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 8**
**Name of Institution provider: UDEMY**
**Name of coursework received: React + Redux: Fundamentals and 2 Apps from Absolute ZERO!**
**Start date of training: 03/2022**
**End date of training: 03/2022**
**Month/year awarded: 03/2022**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 9**
**Name of Institution provider: UDEMY**
**Name of coursework received: Angular 11 Training - The begginning by creating 7 projects**
**Start date of training: 01/2021**
**End date of training: 01/2021**
**Month/year awarded: 01/2021**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

*OMB Approval: 1205-0451*
*Expiration Date: 02/28/2029*

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# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | Foreign Worker Training Qualifications |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 10**
**Name of Institution provider: UDEMY**
**Name of coursework received: Laravel 5.5 with Vue Js**
**Start date of training: 08/2020**
**End date of training: 08/2020**
**Month/year awarded: 08/2020**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | Foreign Worker Training Qualifications |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 11**
**Name of Institution provider: UDEMY**
**Name of coursework received:C# Completo 2020 Object-Oriented Programming + Projects**
**Start date of training: 05/2020**
**End date of training: 05/2020**
**Month/year awarded: 05/2020**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

*OMB Approval: 1205-0451*
*Expiration Date: 02/28/2029*



# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 12**
**Name of Institution provider: UDEMY**
**Name of coursework received: Introduction to Vue JS 2**
**Start date of training: 01/2020**
**End date of training: 01/2020**
**Month/year awarded: 01/2020**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 13**
**Name of Institution provider: Escola de Engenharia de São Carlos - Universidade de São Paulo**
**Paper Presentation: Identification of foliar soybean diseases using local descriptors**
**Start date of training: 10/2015**
**End date of training: 10/2015**
**Month/year awarded: 10/2015**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

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# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 14**
**Name of Institution provider: Universidade Federal do Mato Grosso do Sul**
**Name of coursework received: Basic Java Course**
**Start date of training: 12/2011**
**End date of training: 12/2011**
**Month/year awarded: 04/2012**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 15**
**Name of Institution provider: Universidade Federal do Mato Grosso do Sul**
**Name of coursework received:Introduction to Blender Animation**
**Start date of training: 03/2011**
**End date of training: 05/2011**
**Month/year awarded: 08/2011**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

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# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 16**
**Name of Institution provider: Latin American Robotics Competition 2010**
**Name of coursework received: Member of the UFMS- TuiuiuTronik**
**Start date of training: 10/2010**
**End date of training: 10/2010**
**Month/year awarded: 10/2010**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 17**
**Name of Institution provider: Universidade Federal do Mato Grosso do Sul**
**Name of coursework received: I Robotics Workshop of Mato Grosso do Sul**
**Start date of training: 10/2009**
**End date of training: 10/2009**
**Month/year awarded: 02/2010**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 18**
**Name of Institution provider: Universidade Federal do Mato Grosso do Sul**
**Name of coursework received: I Software Engineering Workshop of Facom (School of Computing - UFMS)**
**Start date of training: 10/2009**
**End date of training: 10/2009**
**Month/year awarded: 10/2009**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | C | 1a. Section Name or Category of Supplemental Information | **Foreign Worker Training Qualifications** |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Training, Certification(s), and/or License(s) Information 19**
**Name of Institution provider: Microlins Professional Training**
**Name of coursework, received: Computer Assembly and Maintence**
**Start date of training: 10/2006**
**End date of training: 05/2007**
**Month/year awarded: 06/2007**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

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# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | E | 1a. Section Name or Category of Supplemental Information | Foreign Worker Work Experience |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Work Experience 2**
**Employer Name: ALTO**
**Address: 1 Ferry Building, Suite 201, San Francisco, CA, 94111, USA.**
**Job Title: Full Stack Software Developer (remotely)**
**Start Date - End date: 04/2023 - 02/2025**
**Job Duties: Worked as a consultant allocated to the StrongerU project, a health and wellness company focused on lifestyle transformation through coaching and physical activity. In the role of Full Stack Software Engineer, responsibilities included designing, developing, and maintaining backend services and RESTful APIs using PHP (Laravel, Symfony, and Slim), with MySQL as the primary database. Played a key role in modernizing the system architecture by migrating critical synchronous workflows to an asynchronous, queue-based processing model using Laravel and Redis, significantly improving performance, scalability, and system responsiveness. Also contributed to frontend development using Angular, collaborated closely with cross-functional teams, and participated in architectural decisions supporting the long-term evolution and reliability of the platform.**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | E | 1a. Section Name or Category of Supplemental Information | Foreign Worker Work Experience |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Work Experience 3**
**Employer Name: APPNOVATION**
**Address:Alfredo Egídio de Souza Aranha Ave. 6° fl, São Paulo, SP, CEP 04726-908, Brazil**
**Job Title:Software Developer**
**Start Date - End Date: 06/2022 - 03/2023**
**Job Duties: Worked as a Software Developer on multiple high-impact client projects at Appnovation, contributing to the development of large-scale, content-driven platforms for internationally recognized organizations, including the Council on Foreign Relations (cfr.org) and NVA. Acted as a Full Stack Engineer building and maintaining solutions using Drupal 8/9 with PHP 8, MySQL, and Contentful, with a strong focus on custom module development, modular query design, and content modeling. Designed and implemented REST and GraphQL APIs, including access control and permissions management,ensuring secure and scalable integrations. Contributed to frontend development using React, Next.js, and TypeScript, delivering high-quality, component-based user interfaces and managing complex application state. Actively participated in code reviews, technical documentation, estimation, and continuous improvement initiatives, helping maintain high engineering standards across multiple concurrent projects.**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | E | 1a. Section Name or Category of Supplemental Information | Foreign Worker Work Experience |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Work Experience 4**
**Employer Name: FAVISH**
**Address:1412 West 6th St, Austin, Texas, 78703, USA.**
**Job Title: Full Stack Software Engineer (remotely)**
**Start Date - End Date: 06/2022 - 02/2023**
**Job Duties: Worked as a Full Stack Software Engineer at Favish on development projects targeting the North American market, contributing to high-traffic, content-driven platforms such as Columbia Business School Executive Education (execed.business.columbia.edu) and ZeroHedge. Acted across both backend and frontend layers, building and maintaining solutions using PHP with Drupal 8/9, Node.js, MySQL, and cloud-native infrastructure on GCP. Developed custom Drupal modules and modular queries using PHP 8, designed and implemented REST and GraphQL APIs, and integrated external services with a strong focus on Stripe-based payment workflows, authentication, and authorization using Firebase and JWT. Contributed extensively to frontend development using React, Next.js, and TypeScript, managing styles with Sass and integrating analytics and marketing tools such as Google Tag Manager. Actively participated in code reviews, documentation, estimation, and continuous improvement initiatives to ensure high-quality, scalable, and maintainable solutions.**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | E | 1a. Section Name or Category of Supplemental Information | Foreign Worker Work Experience |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Work Experience 5**
**Employer Name: CI&T**
**Address: ClubCoworking Pinheiros, Pais Leme St., 524 – 10° fl., São Paulo, SP, 05424-010**
**Job Title: Senior Software Engineer (remotely)**
**Start Date - End Date: 11/2021 - 01/2022**
**Job Duties:Worked as a Senior Software Engineer at CI&T as part of a large, cross-functional team of over 20 engineers, contributing to enterprise-level projects for international clients. Acted on both backend and frontend development, building APIs and backend services using Drupal 8.9 to support React-based frontend applications. Contributed to a major project for a U.S.-based pharmaceutical company, supporting the migration of a large-scale platform from Drupal 8 to Drupal 9. This role strengthened my experience with Drupal and React in a collaborative, large-team environment, following established engineering standards, version control, and delivery processes.**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

*OMB Approval: 1205-0451*
*Expiration Date: 02/28/2029*

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**U.S. Department of Labor**

# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | E | 1a. Section Name or Category of Supplemental Information | Foreign Worker Work Experience |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Work Experience 6**
**Employer Name: INTI Art**
**Address: Alameda dos Maracatins, 1435, São Paulo – SP CEP 04089-015 Brazil.**
**Job Title:Full Stack Software Engineer (remotely)**
**Start Date - End Date: 08/2020 - 11/2021**
**Job Duties: Worked as a Full Stack Software Engineer at INTI Art, contributing to high-profile digital projects for major cultural and entertainment institutions, including MASP, Lollapalooza, and Osesp. Acted across the full development lifecycle, providing technical leadership, database support and maintenance, ongoing feature development, bug fixes, client-facing technical support, and effort estimation and planning. Built and maintained solutions using PHP (Yii2), Node.js, Vue.js, React, and MySQL, leveraging containerized environments with Docker and cloud infrastructure on AWS. Collaborated within Agile (Scrum) teams and supported CI/CD and delivery workflows using Microsoft DevOps, ensuring timely, reliable, and high-quality project delivery.**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | E | 1a. Section Name or Category of Supplemental Information | Foreign Worker Work Experience |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Work Experience 7**
**Employer Name: SESC Mato Grosso do Sul**
**Address: 52 Almirante Barroso St., Campo Grande, MS - CEP 79008-300 Brazil**
**Job Title: System Analyst**
**Start Date - End Date: 12/2019 - 08/2020**
**Job Duties: Worked as a Systems Analyst at SESC MS, developing and maintaining web and desktop systems supporting commercial and institutional operations within the S System. Acted across the full software development lifecycle, including requirements analysis, system design, development, integration, deployment, and technical documentation. Contributed to projects built with C# and .NET using SQL Server, as well as PHP-based systems using CakePHP and MySQL, working in environments with strict institutional standards.**
**Also participated in defining development guidelines and best practices, helping ensure consistency, maintainability, and reliability across multiple internal systems.**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

*OMB Approval: 1205-0451*
*Expiration Date: 02/28/2029*

Application for Permanent Employment Certification
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# SUPPLEMENTAL INFORMATION

***A. Supplemental Information 1 §***

| 1. Section and Item Number | E | 1a. Section Name or Category of Supplemental Information | Foreign Worker Work Experience |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Work Experience 8**
**Employer Name: Before TI**
**Address: 396 Alagoas St. Office 1402, Campo Grande - MS, CEP 79020-120 Brazil**
**Job Title: Systems Development Analyst**
**Start Date - End Date: 11/2017 - 12/2019**
**Job Duties: Worked as a Systems Development Analyst at Before Tecnologia, contributing to multiple projects for major telecom clients such as Vivo and Claro, including initiatives like Vivo Sun. Acted across the full development lifecycle, providing technical leadership, database maintenance and support, feature development, bug fixing, and effort estimation and planning. Built and maintained scalable solutions using PHP with Laravel, Node.js, Vue.js, React, and relational and NoSQL databases including MySQL and MongoDB. Worked with containerized environments using Docker, implemented caching and asynchronous workflows with Redis, and supported cloud-based deployments on AWS, delivering reliable and high-performance systems aligned with client requirements.**

***B. Supplemental Information 2 §***

| 1. Section and Item Number | E | 1a. Section Name or Category of Supplemental Information | Foreign Worker Work Experience |
|---|---|---|---|

1b. Supplemental Information. *(up to 1,500 characters)*

**Work Experience 9**
**Employer Name: PSG Tecnologia Aplicada**
**Address: 3383, Antônio Maria Coelho St., Campo Grande - MS, 79020-210 Brazil.**
**Job Title: Junior Systems Analyst**
**Start Date - End Date: 02/2014 - 03/2015**
**Job Duties: Started a career as a Junior Software Developer at PSG Technology, contributing to government-focused projects for the State Government, including the development of a new payroll payment system for public employees and a tax calculation system. Worked primarily with C# and .NET using SQL Server, gaining hands-on experience across the software development lifecycle, from implementation to maintenance and support. Collaborated within structured teams using Team Foundation Server (TFS) for version control and project management, while developing strong foundations in backend development, database design, and delivery within deadline-driven environments.**

**For Public Burden Statement, see the Instructions for Form ETA-9089.**

**SUMMARY OF COVER LETTER**
**Petitioner: PIRES, Rillian Diello Lucas**
**Type of Petition: I-140, EB-2 National Interest Waiver**
**Classification Sought: Immigration and Nationality Act 203(b)(2)(B)**

This petition is submitted on behalf of **Mr. Rillian Diello Lucas Pires**, an advanced-degree professional with more than a decade of experience in **software engineering, computer vision, system architecture, and scalable digital platform development**. Mr. Pires holds the U.S. equivalent of a **Master of Science in Computer Science**. His record combines advanced STEM education and specialized academic research in computer vision with extensive professional experience developing and improving complex and scalable technology systems. He also seeks an exemption from the labor certification requirement under *Matter of Dhanasar*, 26 I&N Dec. 884 (AAO 2016), as his qualifications and proposed endeavor fulfill the three-prong test for the National Interest Waiver:

**1. Substantial Merit and National Importance**: Mr. Pires proposes to **advance the development and implementation of artificial intelligence and computer vision technologies for preventive healthcare, real-time biomechanical analysis, injury prevention, safer physical activity, and scalable digital health applications in the United States**. Through **RDLP Software LLC**, which will serve as the mechanism for implementing and scaling the endeavor, he intends to develop technology-enabled solutions that expand access to intelligent biomechanical guidance and preventive health tools. The endeavor's prospective benefits extend beyond individual users to broader national interests in **AI-enabled healthcare innovation, preventive health, digital health modernization, high-skilled employment, and technological and economic development**.

**2. Well-Positioned to Advance the Proposed Endeavor:** Mr. Pires combines **advanced STEM education in Computer Science, specialized research and publications in computer vision, more than a decade of software engineering experience, and demonstrated expertise in scalable system architecture and digital platforms**. His professional record includes the development and modernization of high-scale technology systems, experience with health and wellness technology, and demonstrated accomplishments involving computer vision, data processing, asynchronous architectures, and scalable software solutions. His qualifications are further corroborated by **support letters from academic and industry professionals, a detailed Business Plan, and documented financial resources sufficient to support the contemplated startup requirements**.

**3. Balancing of Benefits to the United States:** Mr. Pires does not seek to fill an existing U.S. position, but to **lead an independent technology-driven endeavor advancing AI- and computer vision-based preventive health technologies**. His specialized expertise and entrepreneurial leadership extend beyond the scope of traditional labor certification, while his endeavor is expected to **support innovation, economic activity, and the creation of U.S. employment opportunities**.

Considering these factors, **Mr. Pires satisfies the requirements for EB-2 classification and a National Interest Waiver.** We respectfully request a thorough review of the enclosed petition and supporting evidence demonstrating his qualifications, demonstrated ability to advance technologically complex initiatives, and the prospective national benefits of his proposed endeavor. Favorable adjudication of this I-140 petition will enable Mr. Pires to apply his **advanced computer science expertise, specialized computer vision background, and technical and entrepreneurial capabilities** toward advancing AI-enabled preventive healthcare and digital health innovation in the United States.

Thank you for your attention to this matter.

Sincerely,

**Otavio Haverroth**
**California Bar # 343486**

San Diego, CA - PO Box 90487

September 9, 2026.

VIA USPS

USCIS
Attn: I-140
P.O. Box 660128
Dallas, TX 75266-0128

**Ref: I-140 Immigrant Visa Self-Petition of Mr. Rillian Diello Lucas Pires - Request for National Interest Waiver under the EB-2 Classification**

**Occupation: Software Developer — SOC 15-1252.00**

**STEM Field/Degree: Computer Science — CIP 11.0701**

Our firm represents **Mr. Rillian Diello Lucas Pires** (hereinafter "Mr. Pires") in his I-140 immigrant visa self-petition under the EB-2 category. We respectfully request his classification as a member of the professions holding an advanced degree, and he seeks a waiver of the job offer and labor certification requirements pursuant to a National Interest Waiver (NIW), as provided under section 203(b)(2)(B)(i) of the Immigration and Nationality Act and interpreted by USCIS in *Matter of Dhanasar*, 26 I&N Dec. 884 (AAO 2016).

Mr. Pires is an experienced **software engineering and computer science professional with more than a decade of experience in software development, system architecture, and scalable digital platforms**. His academic credentials have been evaluated as the U.S. equivalent of a **a Master of Science in Computer Science**. His academic research included **artificial intelligence, computer vision, image segmentation, feature extraction, and image-based pattern recognition**, while his professional career has involved full-stack software engineering, backend systems, Application Programing Interface (APIs), distributed and asynchronous architectures, cloud infrastructure, and high-scale digital platforms.

This petition also demonstrates that, as a matter of USCIS discretion, Mr. Pires merits a waiver of the job offer and labor certification requirements in the national interest of the United States, because his proposed endeavor meets the three-prong threshold articulated in *Matter of Dhanasar*, 26 I&N Dec. 884 (AAO 2016). Through his endeavor, Mr. Pires will advance the **development and implementation of artificial intelligence and computer vision technologies for preventive healthcare, with a particular focus on real-time biomechanical analysis, safer physical activity, injury prevention, and technology-enabled preventive health solutions in the United States**. His work will integrate AI-based movement analysis, adaptive training protocols, preventive health analytics, and scalable digital systems to improve access to individualized biomechanical guidance and support preventive care across diverse populations. The mechanism



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for implementing and scaling this endeavor will be **RDLP Software LLC**, a technology-driven HealthTech company to be established in **Austin, Texas**. Mr. Pires will serve as **Founder and Chief Technology Officer (CTO)**, leading the technological development and implementation of the solutions through which the endeavor will be advanced.

Once Mr. Pires's classification is established, according to the framework set forth in *Matter of Dhanasar*, we will demonstrate that:

- His proposed endeavor has **substantial merit and national importance**, particularly in advancing AI-enabled preventive healthcare, improving access to biomechanical guidance, reducing exercise-related injury risks, supporting preventive health strategies for vulnerable populations, and contributing to the modernization of digital health solutions in the United States – **Section 3.1;**

- He is **well-positioned to advance this endeavor** based on his advanced education in Computer Science, academic research in artificial intelligence and computer vision, more than a decade of software development experience, and extensive professional background in scalable systems, software architecture, APIs, cloud infrastructure, and high-performance digital platforms – **Section 3.2;**

- On balance, it is **beneficial to the United States to waive the job offer and labor certification requirements**, as this will enable Mr. Pires to independently develop and scale AI- and computer vision-based preventive health technologies designed to improve access to preventive solutions, reduce injury risks, support public health objectives, and generate economic and technological benefits in the United States – **Section 3.3.**

The evidence presented with this petition will demonstrate, by a preponderance of the evidence, that the endeavor proposed by Mr. Pires serves the national interest of the United States and satisfies all the requirements of the EB-2 National Interest Waiver standard.

## 1. THE EB-2 CLASSIFICATION

### 1.1 ADVANCED DEGREE

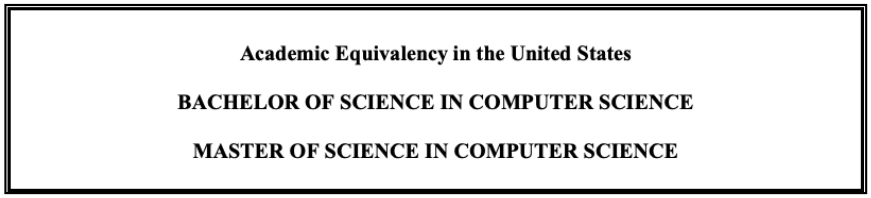
Mr. Pires qualifies for the EB-2 classification as a member of the professions holding an advanced degree. **He has attained the equivalent of a Master of Science in Computer Science granted by an accredited institution of higher education in the United States (Exhibit B).** In addition, Mr. Pires has accumulated more than **ten years of professional experience in software development, software engineering, system architecture, and large-scale digital platform development (Exhibits A, B).**

Under USCIS regulations and policy, a beneficiary may establish eligibility by presenting either a U.S. master's degree or higher, or a foreign degree evaluated as equivalent to a U.S. master's degree or higher. The alternative requirement of a U.S. bachelor's degree (or its foreign equivalent) followed by at least five years of progressive post-baccalaureate experience applies only to



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beneficiaries seeking to establish the equivalent of a master's degree through education and experience, and is not applicable where, as here, the beneficiary already possesses the foreign equivalent of a U.S. master's degree. Accordingly, Mr. Pires independently satisfies the advanced degree requirement through his educational credentials alone.



**Academic Equivalency in the United States**

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

**MASTER OF SCIENCE IN COMPUTER SCIENCE**

In August 2017, Mr. Pires earned a master's degree in computer science from the Federal University of Mato Grosso do Sul (UFMS), where his graduate studies included advanced coursework in graph algorithms, computer architecture, algorithm analysis, software development, and information systems, together with the completion of a thesis project. He previously earned his bachelor's degree in computer science from the same institution in August 2014, completing extensive coursework in areas including algorithms, data structures, software engineering, computer networks, artificial intelligence, computer graphics, databases, operating systems, and network security. (Exhibit B).

Mr. Pires's academic training is particularly relevant to his proposed endeavor. His graduate research was conducted in the field of computer vision and focused on image-based pattern recognition, feature extraction, image representation, and automated classification. His undergraduate research likewise addressed artificial intelligence and computer vision through the study and implementation of image segmentation techniques. This academic foundation directly supports his proposed work involving artificial intelligence and computer vision technologies for biomechanical analysis and preventive healthcare.

Moreover, Mr. Pires **has more than a decade of professional experience in software development and engineering.** His career encompasses full-stack development, scalable backend systems, RESTful APIs, distributed and asynchronous architectures, cloud infrastructure, system performance optimization, and high-availability digital platforms. He has also served as a Senior Software Engineer for U.S.-based companies, providing him with practical experience developing and supporting scalable technology systems for the U.S. market.

This combination of advanced academic training in Computer Science, specialized research in computer vision, and extensive professional experience in scalable software systems provides Mr. Pires with a strong technical foundation directly related to the technologies underlying his proposed endeavor.

To conclude, Mr. Pires clearly demonstrates that he qualifies for the EB-2 classification as a professional holding an advanced degree. His foreign academic credentials have been evaluated as equivalent to a **U.S. Master of Science in Computer Science**. Accordingly, he objectively satisfies the advanced-degree requirement under **8 C.F.R. § 204.5(k)(2) and § 204.5(k)(3)(i)(A).**



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It is important to clarify that meeting both EB-2 eligibility categories is not necessary. A petitioner must establish eligibility either as a member of the professions holding an advanced degree **or** as a person of exceptional ability in the sciences, arts, or business. Because Mr. Pires independently qualifies as an advanced degree professional, this petition does not rely upon the exceptional ability classification.

## 2. THE PROPOSED ENDEAVOR

Mr. Pires proposes **to advance the development and implementation of artificial intelligence and computer vision technologies designed to improve preventive healthcare, enhance exercise safety, reduce injury risks, and expand access to intelligent biomechanical guidance in the United States**. His approach will integrate real-time movement analysis, adaptive training protocols, preventive health analytics, and scalable digital systems to support safer physical activity and technology-enabled preventive care. To operationalize this initiative, he intends to establish and lead **RDLP Software LLC**, which will serve as the platform through which the proposed endeavor will be implemented and scaled from **Austin, Texas**, with nationwide reach.

The company's mission is to support the advancement of preventive healthcare through proprietary artificial intelligence and computer vision technologies capable of analyzing movement, identifying biomechanical risks, and generating adaptive recommendations. Through mobile, cloud-based, and professional digital solutions, RDLP Software LLC will provide technology-enabled tools intended to **improve exercise safety, support preventive health strategies, and expand access to biomechanical monitoring**.

The proposed endeavor will be implemented through **RDLP Software LLC**, which will serve as the organizational mechanism for Mr. Pires's broader **AI- and computer vision-based preventive health initiative**, focused on real-time biomechanical analysis, injury prevention, adaptive physical activity, and scalable digital health solutions.

The endeavor directly builds upon Mr. Pires's extensive background in **computer science, computer vision, artificial intelligence foundations, software engineering, system architecture, and large-scale digital platform development**. In the United States, he will serve as **Founder and Chief Technology Officer (CTO)**, directing the technological strategy, development, implementation, and expansion of the systems through which the proposed endeavor will be advanced.

The proposed endeavor will be implemented through four core service lines:

**1. AI-Powered Biomechanical Analysis Subscription** – a mobile-based system using artificial intelligence and computer vision to analyze user movement in real time, identify posture and movement deficiencies, and generate corrective feedback and adaptive recommendations.

**2. Professional Digital Health Management Platform** – a digital platform for certified personal trainers and health professionals providing AI-assisted exercise prescription, remote monitoring, protocol customization, and biomechanical risk analysis.



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**3. Special Population Preventive Care Licensing** – technology-enabled preventive health solutions for clinics, rehabilitation centers, wellness facilities, and other institutions serving populations such as elderly individuals and persons with chronic or musculoskeletal conditions.

**4. Corporate and Institutional Wellness Integration** – enterprise-level solutions incorporating workforce health analytics, injury-risk monitoring, engagement tracking, and performance reporting to support preventive health and workforce wellness programs.

Together, these activities will implement Mr. Pires's broader proposed endeavor by applying artificial intelligence, computer vision, and scalable software technologies to preventive health challenges, while expanding access to biomechanical monitoring and supporting the modernization of digital health solutions in the United States. Further details are provided in the **Business Plan (Exhibit C.I.)**.

**The Connection Between Mr. Pires's Advanced Degree Qualifications and His Proposed Endeavor**

As described in the USCIS Policy Alert of January 15, 2025, a National Interest Waiver requires a direct relationship between the petitioner's qualifications and the proposed endeavor. Mr. Pires's academic and professional background is closely aligned with the objectives and activities of his proposed endeavor.

Mr. Pires holds the U.S. equivalent of **a Master of Science in Computer Science**. His academic training included **artificial intelligence, computer vision, computer graphics, algorithms, software engineering, databases, and computer architecture**. Particularly relevant to the proposed endeavor, his graduate research focused on **computer vision and image-based pattern recognition**, including feature extraction, image representation, and automated classification.

His professional experience further demonstrates this connection. Mr. Pires has accumulated more than a decade of experience in **software development, full-stack engineering, system architecture, scalable backend systems, RESTful APIs, distributed and asynchronous architectures, cloud infrastructure, and high-availability digital platforms**. He has also served as a Senior Software Engineer for U.S.-based companies, developing and supporting scalable technology systems.

This combination of advanced education in computer science, specialized academic research in computer vision, and extensive software engineering experience directly supports Mr. Pires's proposed endeavor, which will apply **artificial intelligence, computer vision, real-time movement analysis, adaptive protocols, preventive health analytics, and scalable digital systems** to advance preventive healthcare, improve exercise safety, and reduce injury risks in the United States.

Through **RDLP Software LLC**, the mechanism for implementing the endeavor, Mr. Pires will serve as **Founder and Chief Technology Officer (CTO)**, leading the technology strategy, AI architecture, platform scalability, computer vision development, engineering standards, data security, cloud infrastructure, and integration of emerging AI technologies.



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Accordingly, the record establishes a direct relationship between **Mr. Pires's advanced academic qualifications in Computer Science, specialized research in computer vision, extensive software engineering experience, and the technological activities contemplated by his proposed endeavor**. His background provides the technical and scientific foundation necessary to develop, implement, and scale the proposed AI- and computer vision-based preventive health solutions in the United States.

## 3. THE NATIONAL INTEREST WAIVER
### Framework Under *Matter of Dhanasar*

Those who apply for a National Interest Waiver request that the Labor Certification requirement be waived because it would be in the best interest of the United States to allow the beneficiary to pursue their proposed endeavor without the restrictions of a permanent job offer. While the law does not strictly define the types of occupations that qualify for a National Interest Waiver, such waivers are generally granted to individuals who possess an advanced degree or exceptional ability in their field and whose work in the United States would provide tangible national benefits.

According to section 203(b)(2)(B) of the Immigration and Nationality Act, the Secretary of Homeland Security may waive the job offer requirement, and consequently the labor certification requirement, when it is determined to be in the national interest of the United States. See 8 C.F.R. § 204.5(k)(4)(i).

In *Matter of Dhanasar*, 26 I&N Dec. 884 (AAO 2016), the USCIS Administrative Appeals Office (AAO) established a revised analytical framework for determining eligibility for a discretionary waiver of the job offer and labor certification requirements for individuals seeking classification in the EB-2 category:

> **(i) The first prong** assesses whether the proposed endeavor has substantial merit and national importance.
>
> **(ii) The second prong** assesses whether the individual is well-positioned to advance the proposed endeavor.
>
> **(iii) The third prong** considers whether, on balance, it would be beneficial to the United States to waive the job offer and labor certification requirements.

Mr. Pires's proposed endeavor is directly aligned with his advanced academic training and extensive professional background in **computer science, computer vision, software engineering, system architecture, and scalable digital platform development**. He proposes to advance the **development and implementation of artificial intelligence and computer vision technologies for preventive healthcare, with a particular focus on real-time biomechanical analysis, safer physical activity, injury prevention, and technology-enabled preventive health solutions in the United States**. **RDLP Software LLC will serve as the mechanism through which Mr. Pires will operationalize and advance this endeavor.**



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The following sections demonstrate how Mr. Pires's proposed endeavor satisfies each of the three prongs established under the *Dhanasar* framework and therefore supports his eligibility for a National Interest Waiver.

### 3.1 First PRONG:

***The Proposed Endeavor has Substantial Merit and National Importance***

*Matter of Dhanasar* moved away from the purely geographical consideration of "national in scope", to a broader evaluation of the endeavor's "national importance" no longer considering whether the endeavor would benefit the entire geographic region of the country (national scope), but instead determines whether the endeavor seeks to solve a problem that affects the entire country, even if the immediate impact is focused on one local geographic area ("national importance"), as follows:

> *"Certain locally or regionally focused endeavors, however, may be of national importance despite being difficult to quantify with respect to geographic scope."*

Therefore, the first prong, substantial merit and national importance, focuses on the specific endeavor that the foreign national proposes to undertake. The endeavor's merit may be demonstrated in a range of areas such as business, entrepreneurialism, science, technology, culture, health, or education. To establish that an endeavor has substantial merit, the petitioner should provide a detailed description of the endeavor and why it is meritorious. In determining whether the proposed endeavor has national importance, USCIS considers its potential impact.

Likewise, the *Dhanasar* decision allowed for the consideration of a much broader and more diverse pool of petitioners in a wide range of areas such as business, entrepreneurship, science, technology, culture, health, or education.

#### 3.1.1 BUSINESS PLAN

**A detailed description of the proposed endeavor and why it is of substantial merit:**

Mr. Pires proposes to **advance the development and implementation of artificial intelligence and computer vision technologies designed to enhance preventive healthcare, improve exercise safety, reduce injury risks, and expand access to technology-enabled biomechanical guidance in the United States**. **RDLP Software LLC**, to be established and led by Mr. Pires in Austin, Texas, will serve as the mechanism through which this proposed endeavor will be operationalized and advanced.

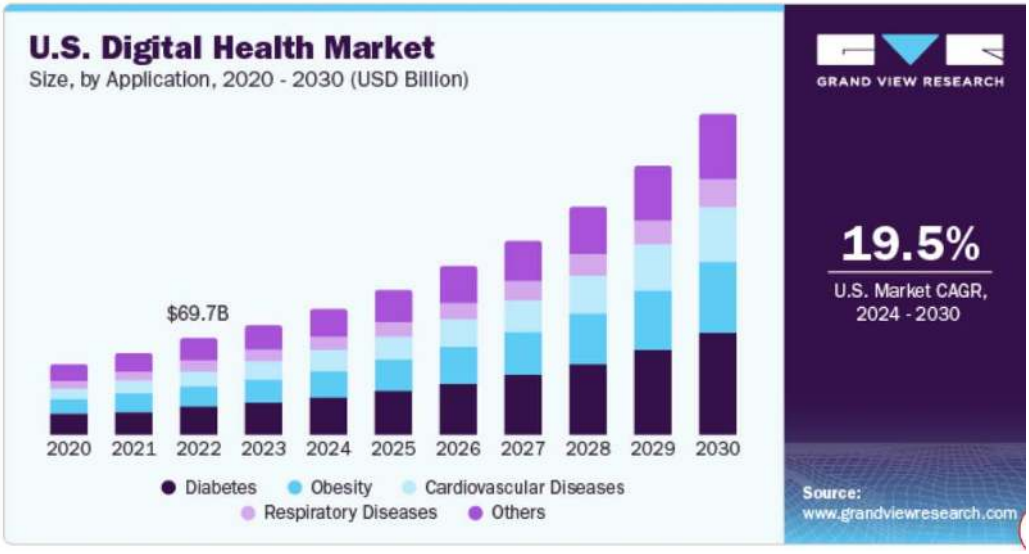
As detailed in the Business Plan, the proposed endeavor will integrate **artificial intelligence, computer vision, real-time biomechanical analysis, adaptive training systems, preventive health analytics, and scalable cloud-based infrastructure**. This model is designed to address the gap between exercise prescription and safe execution by providing real-time movement validation, corrective feedback, and adaptive preventive training through scalable digital technologies.



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The proposed endeavor addresses significant needs within the U.S. preventive healthcare sector. Individuals may lack access to structured biomechanical supervision due to cost, geographic barriers, or limited availability of qualified professionals, while healthcare and wellness institutions face demand for scalable tools capable of monitoring movement quality and supporting preventive programs. Mr. Pires's proposed model seeks to address these challenges through accessible, AI-driven preventive health technologies.

The proposed endeavor also operates within a substantial and rapidly expanding U.S. digital health market. According to Grand View Research[1], the U.S. digital health market was valued at approximately $94.95 billion in 2024 and is projected to reach $276.62 billion by 2030, representing a compound annual growth rate (CAGR) of 19.5%. This substantial market growth reflects increasing demand for technology-enabled healthcare solutions and provides a significant environment for the development and implementation of the AI- and computer vision-based preventive health technologies contemplated by Mr. Pires's proposed endeavor.



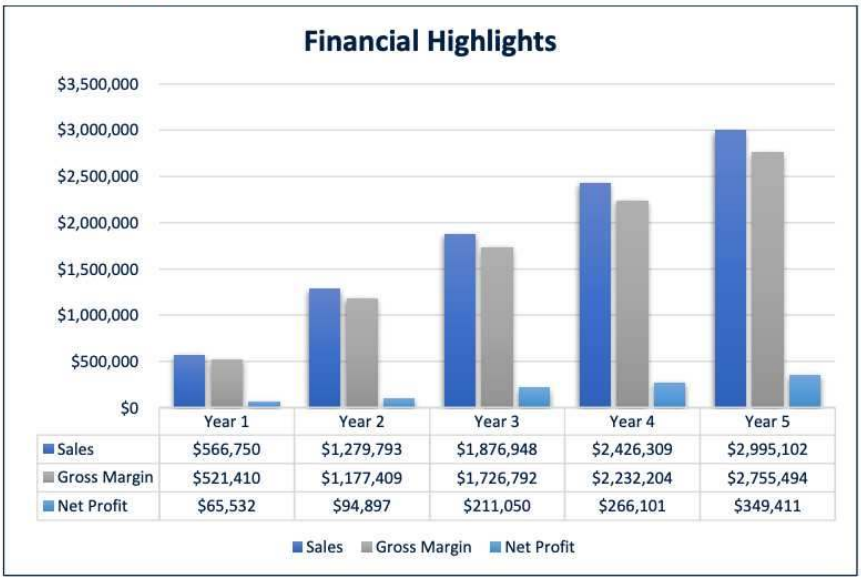

The proposed endeavor will be implemented through four principal service areas:

- **AI-Powered Biomechanical Analysis Subscription;**
- **Professional Digital Health Management Platform;**
- **Special Population Preventive Care Licensing; and**
- **Corporate and Institutional Wellness Integration.**

Together, these services are intended to improve exercise safety, reduce injury risks, expand access to structured biomechanical guidance, support preventive healthcare initiatives, and strengthen workforce wellness through scalable AI-enabled digital health solutions.

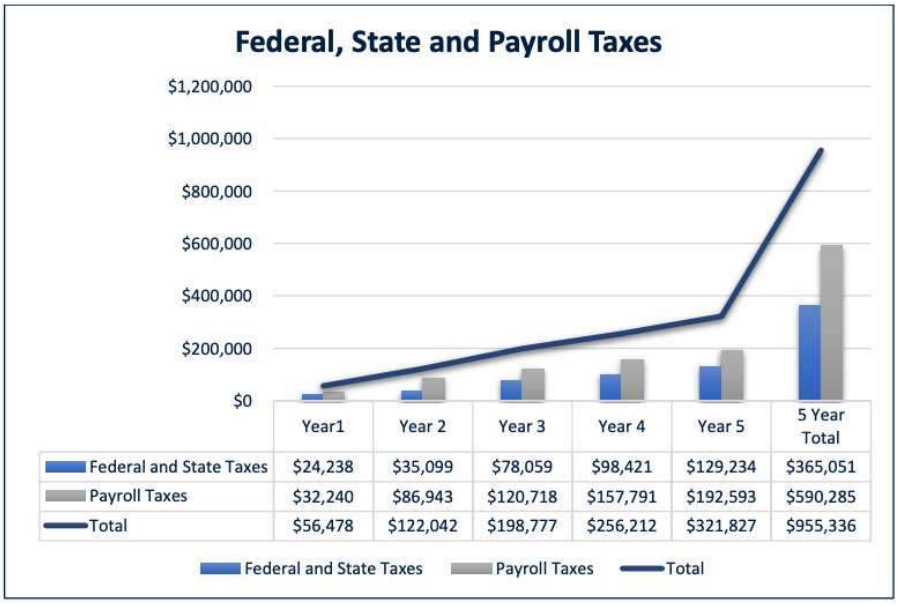
[1] https://www.grandviewresearch.com/industry-analysis/us-digital-health-market-report

Additionally, the Business Plan projects significant economic growth for the mechanism through which the endeavor will be implemented. **RDLP Software LLC is projected to increase its annual sales from approximately $566,750 in Year 1 to $2,995,102 in Year 5.**




| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|---|---|---|---|---|---|
| Sales | $566,750 | $1,279,793 | $1,876,948 | $2,426,309 | $2,995,102 |
| Gross Margin | $521,410 | $1,177,409 | $1,726,792 | $2,232,204 | $2,755,494 |
| Net Profit | $65,532 | $94,897 | $211,050 | $266,101 | $349,411 |

The Business Plan further projects approximately **$955,336 in combined federal, state, and payroll tax contributions over the first five years**, consisting of approximately **$365,051 in federal and state taxes and $590,285 in payroll taxes**. The company is also projected to grow to **18 employees by Year 5**, including Mr. Pires, with positions in areas such as software engineering, artificial intelligence, clinical support, sales, and customer success.




| | Year1 | Year 2 | Year 3 | Year 4 | Year 5 | 5 Year Total |
|---|---|---|---|---|---|---|
| Federal and State Taxes | $24,238 | $35,099 | $78,059 | $98,421 | $129,234 | $365,051 |
| Payroll Taxes | $32,240 | $86,943 | $120,718 | $157,791 | $192,593 | $590,285 |
| Total | $56,478 | $122,042 | $198,777 | $256,212 | $321,827 | $955,336 |

**Austin, Texas, provides a favorable environment for implementation of the proposed endeavor.** As detailed in the Business Plan, the region provides access to software engineering

and AI talent, an established startup and innovation ecosystem, technological infrastructure, and research and innovation networks. Although headquartered in Austin, RDLP Software LLC intends to use a remote-enabled SaaS model to serve clients nationwide and expand geographically following its initial market penetration in Texas.

The proposed endeavor also supports the broader advancement of **AI-enabled preventive healthcare**. By combining computer vision, real-time biomechanical analysis, adaptive training, and scalable digital delivery, Mr. Pires seeks to expand access to preventive health technologies, reduce injury risks, support chronic-disease and fall-prevention initiatives, and strengthen workforce health and productivity.

Mr. Pires's academic background is aligned with a recognized academic field classified under the **Classification of Instructional Programs (CIP)** designated by the U.S. Department of Education, specifically:

- **11.0701 – Computer Science:** This field corresponds directly to Mr. Pires's academic training, including the U.S. equivalent of a **Bachelor of Science and Master of Science in Computer Science**, and provides the technical foundation for his proposed endeavor. His academic and professional background encompasses **computer vision, artificial intelligence, image recognition, software engineering, scalable system architecture, distributed systems, and digital platform development**, capabilities directly relevant to the development and implementation of AI- and computer vision-based preventive health technologies.

This classification confirms that Mr. Pires's academic background is firmly rooted in a recognized **STEM discipline** and provides the specialized technical foundation necessary to advance his proposed endeavor.

The STEM relevance of Mr. Pires's field further supports the substantial merit of the proposed endeavor. The **USCIS Policy Manual** recognizes the importance of progress in STEM fields and the role of individuals with advanced STEM degrees, particularly where their proposed endeavors involve **critical and emerging technologies or other STEM areas important to U.S. competitiveness or national security**.

USCIS further recognizes that proposed endeavors seeking to advance STEM technologies and research, whether in academic or industry settings, may have substantial merit in relation to U.S. science and technology interests and, where their prospective implications are sufficiently broad, may also demonstrate national importance.

Mr. Pires's proposed endeavor directly applies his advanced STEM education and specialized expertise to the **development and implementation of artificial intelligence and computer vision technologies for preventive healthcare, real-time biomechanical analysis, injury-risk reduction, and scalable digital health applications**. These technologies are consistent with broader U.S. interests in **artificial intelligence, technological innovation, digital health modernization, and the development of advanced technology-driven healthcare solutions**.



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Accordingly, Mr. Pires's proposed endeavor possesses **substantial merit** because it applies his advanced STEM expertise in artificial intelligence and computer vision to preventive healthcare challenges, promotes safer physical activity and injury prevention, expands access to technology-enabled biomechanical guidance, supports digital health innovation, and is expected to contribute to high-skilled employment, tax revenue, and broader economic activity in the United States.

### 3.1.2 NATIONAL OR EVEN GLOBAL IMPLICATIONS WITHIN A PARTICULAR FIELD:

The national importance of Mr. Pires's proposed endeavor is demonstrated by its potential to contribute to **the advancement of AI-enabled preventive healthcare, expanded access to technology-supported biomechanical guidance, improved exercise safety, injury-risk reduction, and the modernization of scalable digital health solutions in the United States**. As detailed in the Business Plan (Exhibit C.I.), the proposed endeavor addresses challenges affecting individuals, health and fitness professionals, healthcare-related institutions, and employers, including limited access to structured biomechanical supervision, exercise-related injury risks, preventive care needs among vulnerable populations, and the need for scalable digital tools capable of supporting movement monitoring and preventive health strategies.

The importance of the endeavor extends beyond the users and institutions directly served through RDLP Software LLC. Mr. Pires proposes a scalable technology-based model integrating **artificial intelligence, computer vision, real-time biomechanical analysis, adaptive training systems, preventive health analytics, and cloud-based infrastructure**. This approach is intended to expand access to technology-enabled preventive health solutions and may be deployed across individual, professional, institutional, and corporate settings throughout the United States.

The Business Plan further provides for phased expansion beyond the initial Texas market through a **remote-enabled SaaS delivery model**, with nationwide expansion driven primarily by user adoption and institutional partnerships. It also contemplates continued refinement of AI models, expansion of movement datasets, adaptive training algorithms, analytics capabilities, and partnerships with healthcare providers, fitness organizations, wearable technology companies, and corporate wellness networks.

The following points further demonstrate the national importance of Mr. Pires's proposed endeavor:

- **Expanding Access to Preventive Health and Biomechanical Guidance:** The proposed endeavor seeks to provide scalable, smartphone-accessible technologies capable of analyzing movement and providing real-time corrective feedback and adaptive recommendations.

  **National Importance:** By reducing barriers associated with cost, geography, and limited access to direct professional supervision, the endeavor may expand access to technology-enabled preventive support across the United States.



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- **Reducing Injury Risks and Improving Exercise Safety:** The endeavor applies artificial intelligence and computer vision to identify movement deficiencies and provide biomechanical feedback designed to support safer physical activity.

  **National Importance:** Scalable technologies capable of improving movement quality and reducing exercise-related risks have implications beyond individual users by supporting broader preventive health objectives and potentially reducing avoidable injury-related burdens.

- **Supporting Preventive Care for Vulnerable Populations:** The endeavor contemplates technology-enabled preventive solutions for populations including **elderly individuals and persons with chronic or musculoskeletal conditions**, including institutional applications supporting rehabilitation and fall-prevention programs.

  **National Importance:** Scalable preventive technologies serving populations with elevated health risks can support broader efforts to improve preventive care, chronic-condition management, and fall prevention.

- **Advancing AI-Enabled Digital Health Infrastructure:** Mr. Pires's model incorporates proprietary artificial intelligence, computer vision, scalable SaaS architecture, cloud infrastructure, and continuous technological refinement.

  **National Importance:** The development and deployment of scalable AI-enabled preventive health systems can contribute to digital health innovation and the modernization of technology-supported healthcare solutions in the United States.

- **Supporting Workforce Health and Productivity:** The endeavor includes corporate and institutional applications providing injury-risk analytics, workforce wellness monitoring, and structured performance reporting.

  **National Importance:** These applications are designed to address injury-related absenteeism, chronic health conditions, and reduced workforce productivity, extending the potential impact of the endeavor into workplace health and economic productivity.

Taken together, these factors demonstrate that **Mr. Pires's proposed endeavor extends beyond the establishment and operation of a single HealthTech company**. Its broader implications arise from applying scalable artificial intelligence, computer vision, and digital health technologies to challenges involving preventive healthcare access, exercise safety, injury prevention, vulnerable populations, workforce health, and the modernization of digital health solutions across multiple U.S. markets.

Accordingly, Mr. Pires's proposed endeavor possesses **national importance within the areas of artificial intelligence-enabled preventive healthcare and digital health technology** and therefore satisfies the national-importance component of the first prong of *Matter of Dhanasar*.

### 3.1.3 ENDEAVOR'S IMPACT

**The proposed endeavor has significant potential to employ U.S. workers:**

Mr. Pires's proposed endeavor has significant potential to contribute to job creation and workforce development in the United States. Through **RDLP Software LLC**, which will serve as the mechanism for implementing the endeavor, the operation is projected to grow from **four professionals in Year 1 to eighteen team members by Year 5, including Mr. Pires**, with workforce expansion occurring as platform deployment, market demand, and operations develop.

The projected workforce will include specialized professionals in **software engineering, artificial intelligence and computer vision, clinical support and validation, business development, sales, customer success, marketing, and administrative functions**. This multidisciplinary workforce is intended to support the development, validation, commercialization, and nationwide expansion of the AI-enabled preventive health technologies contemplated by the proposed endeavor.

The proposed endeavor also supports workforce expansion as RDLP Software LLC grows beyond its initial Texas market and scales nationally through its remote-enabled SaaS model. The Business Plan provides for the gradual addition of engineering professionals, AI specialists, clinical personnel, account executives, and customer success professionals to support scalable national operations.

Through these activities, the proposed endeavor will contribute not only to direct employment but also to the development of **high-skilled U.S. positions in artificial intelligence, software engineering, digital health, and related professional functions**. Accordingly, Mr. Pires's proposed endeavor has significant potential to support U.S. workers and economic development as it expands.

| *Personnel Plan* | | | | | |
|---|---|---|---|---|---|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| Founder & Chief Technology Officer (CTO) - Mr. Rillian Diello Lucas Pires | 1 | 1 | 1 | 1 | 1 |
| Software Engineer (Full-time) | 1 | 1 | 1 | 1 | 1 |
| Clinical Consultant | 0 | 1 | 1 | 2 | 3 |
| Backend Engineers | 0 | 0 | 1 | 1 | 1 |
| Mobile Engineer | 0 | 1 | 1 | 1 | 1 |
| AI/Computer Vision Engineer | 0 | 1 | 1 | 1 | 1 |
| Clinical Protocol Specialist | 0 | 1 | 1 | 2 | 2 |
| Account Executives | 1 | 1 | 1 | 2 | 3 |
| Marketing Specialist | 0 | 0 | 1 | 1 | 1 |
| Sales Manager | 0 | 0 | 1 | 1 | 1 |
| Administrative/Finance Coordinator | 1 | 1 | 1 | 1 | 1 |
| Customer Success | 0 | 1 | 1 | 1 | 2 |
| | | | | | |
| **Total People** | **4** | **9** | **12** | **15** | **18** |



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In evaluating the broader economic impact of job creation, it is important to consider not only the direct positions generated through the implementation of the proposed endeavor, but also the indirect and induced employment effects supported across the broader economy. One established approach to evaluating this extended economic impact is through the use of **employment multipliers, such as those published by the Economic Policy Institute (EPI)**.

As detailed in the Business Plan, industries maintain economic linkages with the sectors that provide the materials and services necessary for their operations, as well as broader effects generated through employee spending. Consequently, direct employment can support additional jobs throughout the economy.

**Employment multipliers per 100 direct jobs, all private-sector industries**

| | Industry | Direct jobs | Supplier jobs* | Induced jobs** | Total indirect jobs |
|---|---|---|---|---|---|
| | ***Professional, scientific, and technical services*** | | | | |
| ***125*** | Legal services | 100.0 | 89.2 | 111.3 | 200.5 |
| ***126*** | Accounting, tax preparation, bookkeeping, and payroll services | 100.0 | 52.0 | 81.3 | 133.4 |
| ***127*** | Architectural, engineering, and related services | 100.0 | 90.0 | 114.1 | 204.1 |
| ***128*** | Specialized design services | 100.0 | 67.5 | 97.4 | 164.9 |
| ***129*** | Computer systems design and related services | 100.0 | 134.1 | 149.3 | 283.4 |
| ***130*** | Management, scientific, and technical consulting services | 100.0 | 91.1 | 116.5 | 207.6 |
| ***131*** | Scientific research and development services | 100.0 | 519.3 | 323.7 | 842.9 |
| ***132*** | Advertising, public relations, and related services | 100.0 | 460.9 | 270.7 | 731.6 |
| ***133*** | Other professional, scientific, and technical services | 100.0 | 70.8 | 83.6 | 154.3 |

Applying the national employment multiplier identified in the Business Plan for the **Computer Systems Design and Related Services industry**, under which 100 direct jobs are associated with approximately **283.4 total indirect jobs**, the **18 direct positions projected by the end of Year 5** are estimated to support approximately **51 indirect jobs**.

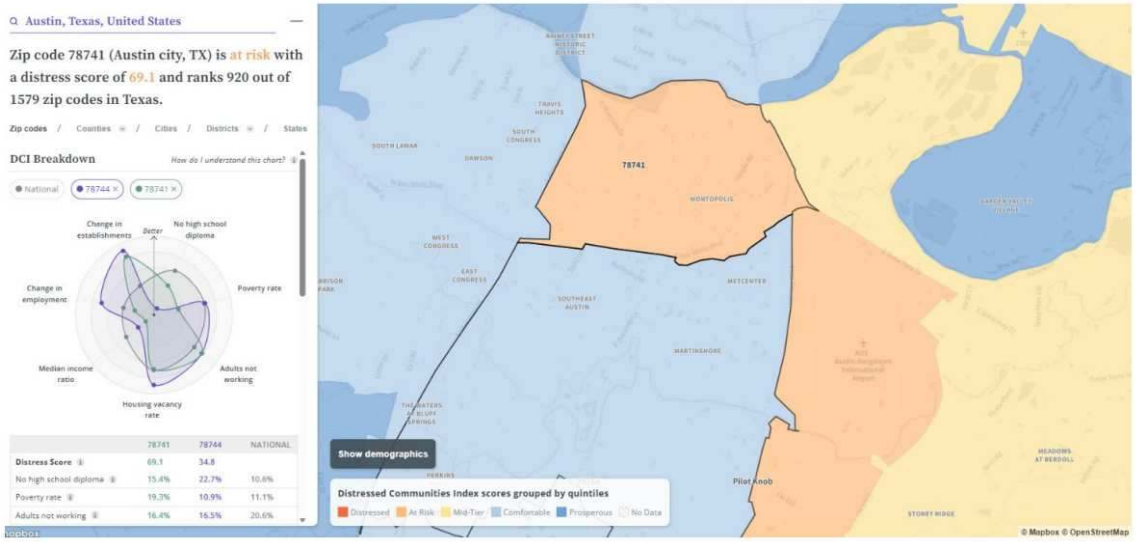
This broader employment effect is consistent with the company's planned operational structure. In addition to its internal workforce, RDLP Software LLC intends to engage **independent contractors and outsourced service providers**, including legal professionals, technicians, and marketing services, further supporting economic activity beyond its direct workforce.

Importantly, *Matter of Dhanasar* recognizes that national importance may be demonstrated where an endeavor has **"significant potential to employ U.S. workers."** The relevant consideration is therefore not limited to the absolute number of positions projected, but also encompasses the employment-generating potential of the endeavor as it develops and expands.

In Mr. Pires's case, employment impact forms only one component of the broader national significance of his proposed endeavor. His initiative is also designed to **advance AI-enabled preventive healthcare, expand access to technology-supported biomechanical guidance, improve exercise safety, reduce injury risks, support preventive care for vulnerable populations, and contribute to digital health innovation in the United States**.

In conclusion, the implementation of Mr. Pires's proposed endeavor is projected to support **18 direct positions and approximately 51 indirect jobs**, while generating additional economic activity through independent contractors and outsourced services. These economic and workforce benefits complement the broader **healthcare and technological implications** of the proposed endeavor and further reinforce its national importance.

Furthermore, Mr. Pires's proposed endeavor is strategically connected to **Austin, Texas**, which includes economically vulnerable communities. As detailed in the Business Plan, the area analyzed under the **Distressed Communities Index (DCI)** has a **Distress Score of 69.1** and is classified as **"at risk,"** reflecting elevated socioeconomic vulnerability compared with statewide and national benchmarks.




The Business Plan documents socioeconomic challenges in the area, including disparities in educational attainment, income, and employment stability. For example, approximately **15.4 percent of adults lack a high school diploma, compared with 10.6 percent nationally**, further demonstrating socioeconomic vulnerabilities affecting the community.

Through **RDLP Software LLC**, as the mechanism through which Mr. Pires will implement his proposed endeavor, the operation is expected to contribute to local economic activity through **high-skilled employment, tax revenue, and the utilization of local resources and services**, while developing and scaling AI-enabled preventive health technologies from its Austin base.

The proposed endeavor is particularly relevant in this context because its impact combines **technology-driven healthcare innovation with workforce and economic development**. Its planned expansion will require professionals across software engineering, artificial intelligence, computer vision, clinical support, sales, and related functions, while supporting the development of scalable digital health technologies intended for nationwide application.



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Consistent with *Matter of Dhanasar*, the economic impact of an endeavor may be particularly relevant when considered in the context of an economically depressed area. Here, Mr. Pires's proposed endeavor will operate from an area identified in the Business Plan as **"at risk" under the DCI**, while generating employment, tax revenue, and economic activity and advancing technology-driven preventive healthcare solutions.

Accordingly, the proposed endeavor's combination of **direct and indirect employment, high-skilled workforce development, local economic activity, tax contributions, and technological innovation** provides an additional dimension to its broader impact and further reinforces the national importance of Mr. Pires's proposed endeavor.

***The endeavor impacts on a matter that a government entity has described as having national importance, or it's a subject of national importance:***

The proposed endeavor directly impacts matters that the Federal Government has identified as priorities of national importance, particularly **American leadership in artificial intelligence, the expansion of AI-enabled healthcare technologies, the modernization of digital health infrastructure, and the prevention and reduction of chronic disease**.

These priorities are particularly relevant to Mr. Pires's proposed endeavor, which seeks to develop and implement **artificial intelligence and computer vision technologies for preventive healthcare, real-time biomechanical analysis, injury-risk reduction, safer physical activity, and scalable digital health applications**.

On **January 23, 2025**, President Donald J. Trump issued Executive Order **14179**[2], **"Removing Barriers to American Leadership in Artificial Intelligence."** The Order establishes as U.S. policy the objective of sustaining and enhancing American global leadership in artificial intelligence in order to promote **economic competitiveness, national security, and broader human flourishing**. It also directed the development of a comprehensive national AI Action Plan.

Pursuant to that directive, on **July 23, 2025**, the White House released **"America's AI Action Plan,"**[3] establishing more than 90 Federal policy actions organized around accelerating AI innovation, building U.S. AI infrastructure, and strengthening American leadership in artificial intelligence. The Administration expressly characterized AI leadership as important to U.S. economic competitiveness and technological leadership.

These priorities closely correspond to Mr. Pires's proposed endeavor. His initiative applies **artificial intelligence, computer vision, scalable software architecture, and cloud-based digital systems** to preventive healthcare applications, thereby operating at the intersection of advanced AI development and technology-enabled health innovation.

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[2] https://www.whitehouse.gov/presidential-actions/2025/01/removing-barriers-to-american-leadership-in-artificial-intelligence/

[3] https://www.whitehouse.gov/releases/2025/07/white-house-unveils-americas-ai-action-plan/



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Federal policy has also placed specific emphasis on the modernization of the U.S. healthcare system through digital technologies. On **July 30, 2025**, the Trump Administration, together with the Centers for Medicare & Medicaid Services (CMS), announced a **patient-centric digital health technology ecosystem**[4] in collaboration with major healthcare and technology companies. The initiative is intended to promote interoperability, user-friendly digital health applications, improved patient outcomes, reduced provider burden, and greater use of technology throughout the healthcare system.

This initiative bears a particularly close relationship to Mr. Pires's proposed endeavor because his model contemplates the development and deployment of **mobile, cloud-based, and AI-enabled preventive health technologies** that can be used by individuals, health and fitness professionals, institutions, and corporate clients.

The Federal Government has further identified the use of artificial intelligence in healthcare and the prevention of chronic disease as national priorities. In **December 2025**, the U.S. Department of Health and Human Services (HHS) sought public input on how the Department could use regulatory, reimbursement, and research-and-development authorities to **accelerate the adoption of artificial intelligence in clinical care and advance the U.S. healthcare system**[5].

In parallel, the Trump Administration's **Make America Healthy Again (MAHA)**[6] initiative has expressly emphasized prevention and the reduction of chronic disease. The Administration's MAHA strategy identifies chronic disease as a significant national health challenge and prioritizes prevention, research, technological innovation, and private-sector collaboration as part of the Federal response.

More recently, in **July 2026**, HHS announced its participation in President Trump's **Genesis Mission**[7], an initiative designed to harness artificial intelligence and advanced scientific capabilities to address major national challenges, including chronic disease. HHS specifically identified AI-enabled research and earlier identification of health risks as part of efforts to improve health outcomes and advance preventive care.

These federal priorities bear a direct relationship to Mr. Pires's proposed endeavor. His initiative seeks to use **AI and computer vision to identify biomechanical risks, provide real-time movement feedback, support safer physical activity, and develop scalable preventive health solutions**, including applications relevant to chronic-condition management, elderly fall prevention, and workforce health.

Taken together, these federal initiatives demonstrate that **artificial intelligence leadership, AI-enabled healthcare innovation, digital health modernization, preventive healthcare, and chronic-disease reduction are matters currently receiving explicit attention from the Federal Government**. Mr. Pires's proposed endeavor directly intersects with these priorities by applying

[4] https://www.cms.gov/newsroom/press-releases/white-house-tech-leaders-commit-create-patient-centric-healthcare-ecosystem
[5] https://www.hhs.gov/press-room/hhs-ai-rfi.html
[6] https://www.hhs.gov/press-room/maha-commission-report-childhood-disease-strategy.html
[7] https://www.hhs.gov/press-room/hhs-joins-genesis-mission-ai-chronic-disease-research.html



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advanced artificial intelligence and computer vision technologies to scalable preventive health applications in the United States.

Accordingly, the proposed endeavor is closely aligned with matters that the current Administration has expressly identified as important to the **technological leadership, healthcare modernization, economic competitiveness, and public health of the United States**, further supporting the national importance of Mr. Pires's work under the first prong of *Matter of Dhanasar*.

### 3.2 Second PRONG:

***The Self-Petitioner is Well-Positioned to Advance the Proposed Endeavor in the United States***

Under the second prong of *Matter of Dhanasar*, the Petitioner must demonstrate that he is well-positioned to advance his proposed endeavor based on his education, skills, knowledge, record of success, and progress toward the endeavor.

Mr. Pires clearly satisfies this requirement. He holds the U.S. equivalent of a **Master's Degree in Computer Science**, a STEM field directly related to his proposed endeavor, and has more than a decade of experience in **software engineering, computer vision, system architecture, and scalable digital platforms**. His academic research in computer vision and extensive technical experience directly support his ability to advance his proposed **AI- and computer vision-based preventive healthcare initiative** in the United States.

#### 3.2.1 EDUCATION, SKILLS, KNOWLEDGE, AND RECORD OF SUCCESS:

Mr. Pires is exceptionally well-positioned to advance the proposed endeavor due to his **advanced academic background in Computer Science, specialized research in computer vision and image-based recognition, more than a decade of software engineering experience, entrepreneurial experience in software development, and demonstrated record of developing scalable technological systems**.

His academic credentials have been independently evaluated as equivalent in the United States to a **a Master of Science in Computer Science**. His education encompasses areas directly relevant to the proposed endeavor, including **artificial intelligence, algorithms, software engineering, databases, computer architecture, computer graphics, and computer vision**.

Of particular relevance, Mr. Pires developed specialized expertise in **computer vision and image-based pattern recognition** through his academic research at the Federal University of Mato Grosso do Sul (UFMS). His Master's research, conducted within the Computer Vision Laboratory, focused on computational methods for recognizing soybean diseases through image analysis, including local feature extraction, image representation, and automated classification. This work demonstrates practical experience applying computer vision to the automated identification of real-world conditions—technical capabilities directly relevant to the visual analysis and recognition functions contemplated by his proposed endeavor.



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Mr. Pires's research also resulted in peer-reviewed scientific work. He co-authored **"Local Descriptors for Soybean Disease Recognition,"** published in *Computers and Electronics in Agriculture*. The study developed a computational disease-detection method based on local image descriptors and Bag-of-Visual-Words techniques, achieving **more than 98% accuracy and an average processing time of 0.1 seconds per image** on a dataset of 1,200 soybean-leaf images.

His research was also presented through the paper **"Identification of Foliar Soybean Diseases Using Local Descriptors,"** which compared computer-vision descriptors for automated disease recognition and reported an accuracy of **85% using Dense SIFT**. This work was presented at the **XI Workshop de Visão Computacional**, further documenting Mr. Pires's participation in the computer-vision research field.

Mr. Pires's technical development began even earlier. The record documents his participation in university activities involving **software engineering and robotics**, including the I Workshop de Engenharia de Software at UFMS and the I Workshop de Robótica do Mato Grosso do Sul. He was also a member of the **UFMS-TuiuiuTronik team that participated in the IEEE SEK category of the 2010 Latin American Robotics Competition**, demonstrating early practical engagement with programming, automation, and intelligent systems.

Mr. Pires's record extends well beyond academic preparation and research. He has accumulated **more than a decade of professional experience in software development and engineering**, progressively developing expertise in **full-stack development, backend systems, RESTful APIs, distributed and asynchronous architectures, cloud infrastructure, system scalability, and high-availability digital platforms**. His career demonstrates not merely theoretical knowledge, but repeated application of these capabilities to real-world technology systems.

His experience is particularly relevant through his work for U.S.-based technology companies. As a **Senior Software Engineer at Swoogo**, he works on high-scale event-management systems and has incorporated generative AI into engineering workflows through Model Context Protocols and automated routines. Previously, while working through ALTO on the **StrongerU health and wellness project**, he developed and maintained backend services and RESTful APIs and participated in the modernization of system architecture by migrating critical workflows to an asynchronous processing model, improving scalability and system responsiveness.

This experience is particularly relevant because it demonstrates Mr. Pires's prior application of **scalable software engineering within a health and wellness environment**, providing a practical connection between his established technological expertise and the preventive-health context of his proposed endeavor.

The record also demonstrates substantial **entrepreneurial experience in software development**. In 2020, Mr. Pires established **Rillian Diello Lucas Pires Desenvolvimento de Software Ltda.**, a Brazilian company whose registered activities include custom software development, web design, software development and licensing, information-technology consulting, technical support, data processing, hosting, and IT training. The company remains active.

The company's documented financial performance further demonstrates that Mr. Pires's entrepreneurial activity is established rather than speculative. Accounting records show revenues of approximately **R$254,087 in 2023 and R$494,181 in 2024**, reflecting substantial year-over-year growth. This record provides additional evidence of his ability to operate and grow a technology-based business.

Also, Mr. Pires's entrepreneurial record is further supported by the documented financial performance of his Brazilian software development company. In 2025, the company generated **R$645,279.20 in annual revenue**, equivalent to an average of approximately **R$53,773 per month**. By comparison, Indeed[8] reports an average salary of approximately **R$11,924 per month for senior engineering professionals in Brazil**, or approximately **R$143,088 annually**. Thus, while company revenue is distinct from individual compensation, the documented revenue generated through Mr. Pires's technology business was approximately **4.5 times the annualized average compensation benchmark**, providing additional evidence of the established commercial value and successful application of his specialized technical expertise.

Importantly, Mr. Pires's proposed endeavor in the United States represents a **continuation and integration of capabilities he has already developed and applied**, rather than an entry into an unfamiliar technological field. His prior research involved computer vision and automated image recognition; his professional career has involved scalable software architecture and high-performance digital systems; and his entrepreneurial activity has involved the operation of a software-development business.

These capabilities directly correspond to his intended role as **Founder and Chief Technology Officer (CTO) of RDLP Software LLC**, the mechanism through which he intends to implement the proposed endeavor. In this role, he will lead AI architecture, platform scalability, computer-vision development for real-time biomechanical analysis, engineering standards, cloud infrastructure, data security, and the integration of emerging AI technologies.

Taken together, Mr. Pires's **advanced STEM education in Computer Science, specialized research and demonstrated results in computer vision, scientific publications, more than a decade of software engineering experience, experience developing scalable systems for U.S.-based companies, prior work within a health and wellness technology environment, and established entrepreneurial activity in software development** demonstrate that he is exceptionally well-positioned to advance his proposed endeavor in the United States.

### 3.2.2 SUPPORT LETTERS FROM INDUSTRY EXPERTS AND RECOGNITIONS

Mr. Pires's ability to advance the proposed endeavor is further supported by **eleven letters from academic, engineering, technology, and business professionals who have directly supervised, collaborated with, or evaluated his work**. Collectively, these letters provide firsthand evidence of his expertise in **computer vision, software engineering, scalable system architecture, high-volume data processing, technical leadership, and the development of reliable digital platforms**, capabilities directly relevant to his proposed endeavor.

[8] https://br.indeed.com/career/engenheiro-s%C3%AAnior/salaries?salaryType=YEARLY



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**Dr. Wesley Nunes Gonçalves**, Associate Professor at the Federal University of Mato Grosso do Sul (UFMS) and Mr. Pires's graduate research advisor, provides particularly relevant evidence of his scientific and technical foundation. Dr. Gonçalves supervised Mr. Pires's Master's research in computer vision and describes his ability to apply advanced computational methods to real-world problems. He highlights Mr. Pires's computer-vision research on soybean disease recognition, which resulted in publication in an international scientific journal and substantial subsequent academic citations, and identifies his strengths in **computer vision, pattern recognition, analytical problem-solving, and the development of practical technological solutions**.

**Ryan Cowan**, Senior Software Engineering Manager at Swoogo, directly supervises Mr. Pires and describes him as a key engineer within the organization. Mr. Cowan highlights Mr. Pires's redesign of Swoogo's large-scale data-processing infrastructure, where he converted the processing of datasets exceeding **50,000 records** into an asynchronous batch architecture, improving performance, reliability, scalability, and infrastructure efficiency. He further notes that the architecture remains a core component of Swoogo's technology infrastructure and that other engineering managers have sought Mr. Pires for strategic initiatives.

**Guilherme Camargo**, Director of Engineering at Swoogo, likewise confirms Mr. Pires's ability to design and maintain scalable software architectures. He emphasizes Mr. Pires's contributions to APIs, legacy mobile systems, asynchronous processing, and performance optimization, noting that his technical decisions improved system performance and resource utilization and influenced engineering work beyond the projects to which he was directly assigned.

**Martin Dias**, Technical Product Owner for StrongerU Nutrition, provides evidence particularly relevant to the healthcare component of the proposed endeavor. Having worked directly with Mr. Pires while he provided software-development services to StrongerU, Mr. Dias explains that Mr. Pires modernized critical legacy processes through **Laravel, Redis queues, and continuous-integration technologies**, converting synchronous tasks into scalable background processes. According to the letter, the resulting architecture achieved **100% visibility over automated processes and a 100% success rate for previously failure-prone high-volume processes**, materially improving system stability and responsiveness in a U.S. health and wellness environment.

**Thiago Meireles**, a Software Engineer in the United States and former colleague of Mr. Pires at INTI Art, describes Mr. Pires's work on payment-processing systems and his role in integrating **PIX**, Brazil's instant-payment system, into a high-demand event platform. He emphasizes Mr. Pires's ability to develop reliable backend systems, rapidly master unfamiliar technologies, mentor developers, and build scalable architectures capable of supporting demanding real-time operations.

**Mario Camara Neto**, Chief Technology/Data Officer at Total Acesso/Grupo DVT and former Chief Technology Officer at INTI, confirms Mr. Pires's role in implementing instant digital-payment infrastructure through integration with Pag.me, enabling real-time PIX transactions at scale. He further credits Mr. Pires with establishing technical migration guidelines, development standards, and architectural practices that continued to benefit other developers and projects after their implementation.



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**Gabriel Bueno de Azevedo**, Senior Full Stack Engineer at Deel and former colleague of Mr. Pires at INTI, describes Mr. Pires's leadership in migrating a payment communication system from a synchronous to an **asynchronous architecture**. According to Mr. Azevedo, the new architecture substantially improved system stability, scalability, and recovery from external payment-service failures and was deployed across affected companies in less than two months.

**Eymard Furtado**, Director of Web Operations at SERVPRO in the Dallas–Fort Worth Metroplex and former colleague at Appnovation, emphasizes Mr. Pires's work on complex, scalable digital platforms using technologies including React, Next.js, Redux, Contentful, and Drupal. He specifically describes Mr. Pires's modernization of a recruitment platform and notes that his technical contributions improved **speed, stability, accessibility, usability, and long-term maintainability**.

**Felipe Gonçalves**, a Senior Software Engineer with more than thirteen years of experience, describes a professional relationship with Mr. Pires extending from their university years through multiple academic and professional initiatives. He highlights Mr. Pires's work on data-processing systems, legislative analytical platforms, technical instruction, and high-demand digital infrastructure, including an architectural solution that, according to the letter, **reduced infrastructure-related operational expenses by approximately 95%** in a sports-management project.

**Dhiego Cleones Gutterres de Souza**, Co-Founder of Wing Solutions and former technical colleague of Mr. Pires at Before TI, describes Mr. Pires's development of an automated **web-scraping, data-integration, and validation system** designed to identify service limitations and data inconsistencies before they affected commercial operations. He also emphasizes Mr. Pires's mentoring of junior developers and his ability to design predictive and preventive systems, capabilities that he expressly relates to Mr. Pires's proposed AI- and computer vision-based initiative.

Finally, **Guilherme Benites**, Senior Full Stack Developer at Curotec and Mr. Pires's former supervisor at Before IT, provides additional evidence of Mr. Pires's ability to rapidly master unfamiliar technologies and assume responsibility for critical systems. Mr. Benites describes Mr. Pires's technical leadership of a large-scale web-scraping engine, his optimization of its performance and data accuracy, his development of technical documentation that remained in use after his departure, and his responsibility for evaluating, selecting, onboarding, and mentoring junior developers.

The consistency among these independent accounts is particularly significant. Although the authors observed Mr. Pires in different organizations, industries, and stages of his career, they repeatedly identify the same core capabilities: **advanced software engineering, scalable architecture, data processing, system reliability, technical adaptability, problem-solving, mentoring, and leadership**.

Taken together, these letters provide compelling independent evidence that Mr. Pires possesses not merely academic knowledge of computer science and artificial intelligence, but a **demonstrated record of applying advanced technological capabilities to complex, real-world**



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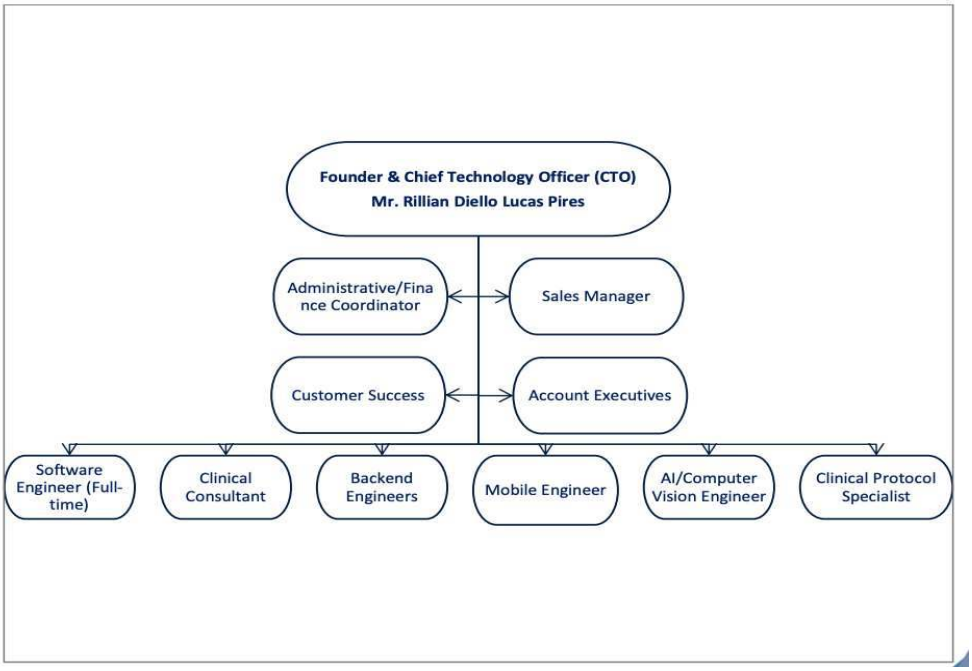
**systems, including computer vision research, healthcare and wellness platforms, payment infrastructure, high-volume data processing, and scalable digital architectures**. These prior accomplishments closely correspond to the technical requirements of his proposed endeavor and further establish that he is well-positioned to advance it in the United States.

### 3.2.3 PLAN FOR FUTURE ACTIVITIES AND FINANCIAL FEASIBILITY:

Mr. Pires will serve as **Founder and Chief Technology Officer (CTO) of RDLP Software LLC**, the mechanism through which his proposed endeavor will be implemented in the United States. He will oversee the company's **technology strategy, AI architecture, platform scalability, product development, engineering standards, and data security**.

As detailed in the Business Plan, RDLP Software LLC will implement AI- and computer vision-based preventive health solutions and is projected to expand from **four professionals in Year 1 to eighteen by Year 5** under Mr. Pires's leadership.

Mr. Pires's extensive experience in **computer vision, software engineering, system architecture, and scalable digital platforms**, together with the structured operational strategy presented in the Business Plan, further supports his ability to implement and expand the proposed endeavor in the United States.




The proposed endeavor requires an initial investment of approximately **US$35,000**, consisting of **US$22,000 in startup expenses and US$13,000 in required cash**. These funds will support legal expenses, insurance, marketing, rent and deposit, website development, technology equipment, office setup, and working capital necessary for the company's initial operations.



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| Startup | |
|---|---|
| | |
| Requirements | |
| | |
| Startup Expenses | |
| Legal | $1,500 |
| Insurance | $500 |
| Marketing | $5,000 |
| Rent/Deposit | $5,000 |
| Website design | $2,500 |
| Computers/Phones/Tablets | $3,500 |
| Office furniture | $2,000 |
| Stationery | $2,000 |
| Total Startup Expenses | $22,000 |
| | |
| Startup Assets | |
| Cash Required | $13,000 |
| Startup Inventory | $0 |
| Other Current Assets | $0 |
| Long-term Assets | $0 |
| Total Assets | $13,000 |
| | |
| Total Requirements | **$35,000** |

The documentary record (Exhibit C.II) demonstrates that Mr. Pires possesses financial resources exceeding these startup requirements. An **Avenue Securities** investment statement in his name reports **US$62,562.55 in total equity holdings as of July 31, 2026**, consisting primarily of marketable securities. The accompanying portfolio statement identifies the individual securities and confirms a **total priced portfolio of US$62,562.55**.

Accordingly, the documentary record demonstrates that the **US$35,000 initial funding contemplated by the Business Plan is financially realistic and supported by documented investment assets exceeding the required amount**, providing credible evidence that Mr. Pires is financially positioned to advance the proposed endeavor.

### 3.3 Third PRONG:

***On Balance, It Would be Beneficial to the United States to Waive the Requirement of a Job Offer and Labor Certification***

Mr. Pires clearly satisfies the third criterion of *Matter of Dhanasar*. His proposed endeavor extends beyond conventional employment and involves the development and implementation of **AI- and computer vision-based technologies for preventive healthcare, biomechanical analysis, injury prevention, and scalable digital health applications in the United States**. **RDLP Software LLC will serve as the mechanism through which he will implement and expand this endeavor.**



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Requiring Mr. Pires to undergo the labor certification process would not adequately reflect the **entrepreneurial and technology-driven nature of his endeavor**. Rather than filling an existing position, he will serve as **Founder and Chief Technology Officer (CTO)**, directing the technological strategy, AI architecture, computer vision development, platform scalability, and expansion of the systems through which the proposed endeavor will be advanced.

According to the third criterion established under the *Dhanasar* framework, adjudicators must conduct a balancing test comparing the national interest in requiring a job offer and labor certification against the foreign national's ability to advance important U.S. interests. Relevant considerations include:

- Whether it would be impractical for the foreign national to obtain a traditional job offer or for an employer to pursue labor certification given the nature of the proposed endeavor;
- Whether the United States would continue to benefit from the foreign national's contributions even if other qualified workers are theoretically available; and
- Whether the national interest in the foreign national's contributions is sufficiently substantial to justify waiving the labor certification requirement.

The *Matter of Dhanasar* decision makes clear that these factors are not rigid requirements, but rather guiding considerations in determining whether waiving the job offer and labor certification requirements would benefit the United States.

The evidence demonstrates that Mr. Pires's endeavor is expected to advance **AI-enabled preventive healthcare, digital health innovation, expanded access to biomechanical guidance, improved exercise safety, and injury-risk reduction**, while also supporting **high-skilled U.S. employment and broader economic activity**.

Accordingly, restricting Mr. Pires to a conventional employment relationship would limit the independent development, implementation, and expansion through which his proposed endeavor is expected to benefit the United States. **On balance, waiving the job offer and labor certification requirements is therefore justified under the third prong of *Matter of Dhanasar*.**

### 3.3.1 IMPRACTICABILITY OF A LABOR CERTIFICATION:

Given the entrepreneurial and independent nature of the proposed endeavor, which Mr. Pires intends to implement through **RDLP Software LLC**, the traditional labor certification process is impractical. Mr. Pires is not seeking to fill a preexisting position with a U.S. employer. Instead, he intends to develop and scale **AI- and computer vision-based technologies for preventive healthcare, biomechanical analysis, injury prevention, and digital health applications**.

- **Nature of the Proposed Endeavor:** Mr. Pires will serve as **Founder and Chief Technology Officer (CTO)**, overseeing technology strategy, AI architecture, computer vision development, platform scalability, engineering standards, and technological expansion. The endeavor therefore depends upon his specialized background in **computer science, computer vision, software engineering, and scalable system architecture**, rather than a traditional employer-employee relationship.



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- **Job Creation and Economic Impact:** RDLP Software LLC is projected to support the expansion of a multidisciplinary U.S. workforce, including professionals in **software engineering, AI/computer vision, clinical support, sales, and related functions**, while also engaging independent contractors and outsourced service providers.
- **Self-Sustainability and Broader Contribution:** The Business Plan presents a structured, scalable SaaS model designed to generate recurring revenues while advancing **AI-enabled preventive healthcare, exercise safety, injury-risk reduction, and access to technology-supported biomechanical guidance**.

Accordingly, requiring Mr. Pires to obtain a traditional job offer and undergo labor certification would be inconsistent with the structure of his proposed endeavor. **Rather than competing for an existing U.S. position, he intends to lead and implement an independent technology-driven initiative that is expected to create U.S. jobs, engage service providers, advance digital health innovation, and generate broader economic activity**, strongly supporting waiver of the labor certification requirement.

### 3.3.2 THE U.S. WOULD STILL BENEFIT FROM THE FOREIGN NATIONAL'S CONTRIBUTION EVEN IF QUALIFIED U.S. WORKERS ARE AVAILABLE:

Given Mr. Pires's extensive background in **computer science, computer vision, software engineering, scalable system architecture, and digital platforms**, he is well positioned to advance the proposed endeavor in the United States. While qualified technology professionals are available in the United States, Mr. Pires's combination of **advanced STEM education, specialized computer vision research, extensive software engineering experience, and entrepreneurial and technical leadership** provides benefits beyond filling a conventional position.

- **Qualifications and Experience:** Mr. Pires holds the U.S. equivalent of a **Master's Degree in Computer Science** and has more than a decade of experience in software engineering. His background includes **computer vision, scalable backend systems, distributed and asynchronous architectures, APIs, cloud infrastructure, and high-scale digital platforms**.
- **Proven Record of Success:** His record includes published research in **computer vision and automated image recognition**, as well as documented professional accomplishments involving the development and modernization of scalable technology systems. His experience also includes work on the **StrongerU health and wellness platform**, providing a practical connection between his technological expertise and health-related digital systems.
- **Specialized Contribution:** Mr. Pires will apply this combined expertise to the development and implementation of **AI- and computer vision-based preventive health technologies**, including real-time biomechanical analysis, injury-risk reduction, and scalable digital health applications.
- **Additional Benefits:** His contribution extends beyond performing software-engineering services personally. Through **RDLP Software LLC**, he will lead a technology-driven initiative expected to create **high-skilled U.S. employment**, engage independent service providers, and contribute to AI-enabled digital health innovation.



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In summary, even if qualified U.S. workers are available, **Mr. Pires's combination of advanced STEM education, specialized computer vision research, demonstrated software engineering accomplishments, and technical and entrepreneurial leadership provides benefits beyond those associated with filling a traditional position**. His endeavor is expected to advance AI-enabled preventive healthcare, support high-skilled employment, and contribute to technological and economic activity in the United States, reinforcing that the United States would continue to benefit from his contributions.

### 3.3.3 WHETHER THE NATIONAL INTEREST IN THE FOREIGN NATIONAL'S CONTRIBUTIONS IS URGENT ENOUGH TO JUSTIFY BYPASSING THE LABOR CERTIFICATION PROCESS:

The national interest in Mr. Pires's contributions supports waiving the labor certification process. His advanced background in **computer science, computer vision, software engineering, scalable system architecture, and digital platforms**, together with his demonstrated record of developing and improving complex technology systems, provides a strong foundation for advancing the proposed endeavor.

**Current Healthcare and Technology Needs:** The proposed endeavor addresses important matters involving **AI-enabled preventive healthcare, exercise safety, injury-risk reduction, access to biomechanical guidance, and scalable digital health technologies**. These areas intersect with current federal priorities involving artificial intelligence leadership, healthcare innovation, preventive health, and digital-health modernization.

**Immediate Economic and Technological Impact:** The implementation of the endeavor is expected to support **high-skilled U.S. employment, engagement of independent service providers, tax generation, and continued development of AI- and computer vision-based health technologies**. Requiring labor certification would unnecessarily restrict an entrepreneurial endeavor designed to create employment opportunities rather than occupy an existing position.

**Documented Ability to Advance the Endeavor:** Mr. Pires has demonstrated results through **computer vision research and publication, scalable software architecture, high-volume data processing, system modernization, and health and wellness technology development**. His professional record demonstrates his ability to translate advanced technical knowledge into practical and scalable technological solutions.

**Strategic Benefit to the United States:** Allowing Mr. Pires to advance the proposed endeavor without the constraints of labor certification will facilitate **AI-enabled healthcare innovation, preventive health technologies, high-skilled job creation, and broader technological and economic activity in the United States**.

In summary, Mr. Pires's combination of **advanced STEM education, specialized computer vision expertise, demonstrated software engineering accomplishments, and entrepreneurial and technical leadership** supports waiving the labor certification requirement. His direct involvement will facilitate the development and expansion of AI-enabled preventive health



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technologies while supporting employment, innovation, and economic activity in the United States.

## 4. FINAL CONSIDERATIONS

From all topics discussed above and the attached evidence, it is "more likely than not" that:

1. **The petitioner, Mr. Rillian Diello Lucas Pires, qualifies for EB-2 classification as a member of the professions holding an advanced degree.** The evidence establishes that he holds the U.S. equivalent of a **Master of Science in Computer Science**, supported by specialized academic research in computer vision and more than a decade of professional experience in software engineering and related technologies.

2. **The petitioner's endeavor has substantial merit and national importance.** Consistent with *Matter of Dhanasar*, Mr. Pires proposes to advance the **development and implementation of artificial intelligence and computer vision technologies for preventive healthcare, real-time biomechanical analysis, injury prevention, safer physical activity, and scalable digital health applications in the United States**. The endeavor also has the potential to support high-skilled employment, technological innovation, tax revenue, and broader economic activity.

3. **The self-petitioner is well-positioned to advance the endeavor.** Mr. Pires possesses **advanced STEM education, specialized research and publications in computer vision, more than a decade of software engineering experience, demonstrated accomplishments involving scalable technology systems, experience with health and wellness technology, and entrepreneurial and technical leadership**. His Business Plan, support letters, documented financial resources, and prior record provide a strong foundation for implementing and expanding the proposed endeavor through **RDLP Software LLC**.

4. **On balance, it would be beneficial to the United States to waive the requirement of a job offer and labor certification.** The labor certification process is impractical for an entrepreneurial endeavor whose purpose is not to fill an existing U.S. position, but to enable Mr. Pires to lead the development and expansion of **AI- and computer vision-based preventive health technologies**, while supporting high-skilled employment, technological innovation, and economic activity in the United States.

Through this petition, it is respectfully submitted that Mr. Rillian Diello Lucas Pires merits favorable consideration for a National Interest Waiver pursuant to Section 203(b)(2)(B)(i) of the Immigration and Nationality Act. His **advanced STEM qualifications, specialized computer vision expertise, demonstrated software engineering accomplishments, and entrepreneurial and technical leadership** position him to generate meaningful **healthcare, technological, employment, and economic benefits** in the United States.

We respectfully request favorable consideration of this Form I-140 immigrant petition, classifying **Mr. Rillian Diello Lucas Pires** under the employment-based second preference category, together with a waiver of the job offer and labor certification requirements, as his proposed endeavor will substantially benefit the national interest of the United States.



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Should you require any further information or documentation, please do not hesitate to contact my office. Thank you in advance for your kind assistance with this matter.

Sincerely,



**Otavio Haverroth Silva**
**California Bar # 343486**



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# Exhibit A

# RILLIAN DIELLO LUCAS PIRES

Email | rilliansf@gmail.com

Phone | +55 67 99946-2784

I completed my Master's degree in Computer Science at the Federal University of Mato Grosso do Sul, Brazil, and I have been immersed in the world of software development since 2014. Throughout my career, I have had the privilege of working on various projects, technologies, and sectors, always guided by respect and professionalism.
For several years now, I have been working as a Fullstack developer, gaining knowledge and experience in both Backend and Frontend technologies. I believe that my main highlight is the ability to adapt to new technologies, projects, and products. This is a skill that I have been cultivating since the beginning of my journey in technology.

## PROFESSIONAL EXPERIENCE

**Senior Software Engineer**
Swoogo | Los Angeles - California/USA (Remote)
04/2024 – CURRENT

I serve as a Senior Software Engineer at Swoogo, focusing on the development of high-scale systems for the event management industry. My core stack includes PHP with the Yii2 Framework, Redis, and PostgreSQL, ensuring high availability and performance. I manage environment consistency using Docker and oversee the full software development lifecycle through Code Reviews, Quality Assurance (QA), and technical scoping for accurate task estimation.

Currently, I am driving technological evolution by integrating Generative AI into our daily engineering workflow. Using Claude Code, I develop Model Context Protocols (MCP) and automated routines, transforming AI into an operational layer that optimizes everything from code generation to internal process automation.

**Full Stack Software Developer**
ALTO | San Mateo - California/USA (Remote)
04/2023 – 02/2025

Worked as a consultant allocated to the StrongerU project, a health and wellness company focused on lifestyle transformation through coaching and physical activity. Acted as a Full Stack Software Engineer responsible for designing, developing, and maintaining backend services and RESTful APIs using PHP (Laravel, Symfony, and Slim), with MySQL as the primary database. Played a key role in modernizing the system architecture by migrating critical synchronous workflows to an asynchronous, queue-based processing model using Laravel and Redis, significantly improving performance, scalability, and system responsiveness. Also contributed to frontend development using Angular, collaborated closely with cross-functional teams, and participated in architectural decisions to support the long-term evolution and reliability of the platform.

**Software Developer**

APPNOVATION | São Paulo - São Paulo, Brazil

06/2022 – 03/2023

Worked as a Software Developer on multiple high-impact client projects at Appnovation, contributing to the development of large-scale, content-driven platforms for internationally recognized organizations, including the Council on Foreign Relations (cfr.org) and NVA. Acted as a Full Stack Engineer building and maintaining solutions using Drupal 8/9 with PHP 8, MySQL, and Contentful, with a strong focus on custom module development, modular query design, and content modeling. Designed and implemented REST and GraphQL APIs, including access control and permissions management, ensuring secure and scalable integrations. Contributed to frontend development using React, Next.js, and TypeScript, delivering high-quality, component-based user interfaces and managing complex application state. Actively participated in code reviews, technical documentation, estimation, and continuous improvement initiatives, helping maintain high engineering standards across multiple concurrent projects.

**Full Stack Software Engineer**

FAVISH — Austin, Texas, USA (Remote)

06/2022 – 02/2023

Worked as a Full Stack Software Engineer at Favish on development projects targeting the North American market, contributing to high-traffic, content-driven platforms such as Columbia Business School Executive Education (execed.business.columbia.edu) and ZeroHedge. Acted across both backend and frontend layers, building and maintaining solutions using PHP with Drupal 8/9, Node.js, MySQL, and cloud-native infrastructure on GCP. Developed custom Drupal modules and modular queries using PHP 8, designed and implemented REST and GraphQL APIs, and integrated external services with a strong focus on Stripe-based payment workflows, authentication, and authorization using Firebase and JWT. Contributed extensively to frontend development using React, Next.js, and TypeScript, managing styles with Sass and integrating analytics and marketing tools such as Google Tag Manager. Actively participated in code reviews, documentation, estimation, and continuous improvement initiatives to ensure high-quality, scalable, and maintainable solutions.

**Senior Software Engineer**

CI&T — São Paulo, São Paulo, Brazil (Remote)

11/2021 – 01/2022

Worked as a Senior Software Engineer at CI&T as part of a large, cross-functional team of over 20 engineers, contributing to enterprise-level projects for international clients. Acted on both backend and frontend development, building APIs and backend services using Drupal 8.9 to support React-based frontend applications. Contributed to a major project for a U.S.-based pharmaceutical company, supporting the migration of a large-scale platform from Drupal 8 to Drupal 9. This role strengthened my experience with Drupal and React in a collaborative, large-team environment, following established engineering standards, version control, and delivery processes.

**Full Stack Software Engineer**

INTI Art — São Paulo, São Paulo, Brazil (Remote)

08/2020 – 11/2021

Worked as a Full Stack Software Engineer at INTI Art, contributing to high-profile digital projects for major cultural and entertainment institutions, including MASP, Lollapalooza, and Osesp. Acted across the full development lifecycle, providing technical leadership, database support and maintenance, ongoing feature development, bug fixes, client-facing technical support, and effort estimation and planning. Built and maintained solutions using PHP (Yii2), Node.js, Vue.js, React, and

MySQL, leveraging containerized environments with Docker and cloud infrastructure on AWS. Collaborated within Agile (Scrum) teams and supported CI/CD and delivery workflows using Microsoft DevOps, ensuring timely, reliable, and high-quality project delivery.

#### Systems Analyst

Sesc Mato Grosso do Sul — Campo Grande, Mato Grosso do Sul - Brazil

12/2019 – 08/2020

Worked as a Systems Analyst at SESC MS, developing and maintaining web and desktop systems supporting commercial and institutional operations within the S System. Acted across the full software development lifecycle, including requirements analysis, system design, development, integration, deployment, and technical documentation. Contributed to projects built with C# and .NET using SQL Server, as well as PHP-based systems using CakePHP and MySQL, working in environments with strict institutional standards. Also participated in defining development guidelines and best practices, helping ensure consistency, maintainability, and reliability across multiple internal systems.

#### Systems Development Analyst

Before TI — Campo Grande, Mato Grosso do Sul - Brazil

11/2017 – 12/2019

Worked as a Systems Development Analyst at Before Tecnologia, contributing to multiple projects for major telecom clients such as Vivo and Claro, including initiatives like Vivo Sun. Acted across the full development lifecycle, providing technical leadership, database maintenance and support, feature development, bug fixing, and effort estimation and planning. Built and maintained scalable solutions using PHP with Laravel, Node.js, Vue.js, React, and relational and NoSQL databases including MySQL and MongoDB. Worked with containerized environments using Docker, implemented caching and asynchronous workflows with Redis, and supported cloud-based deployments on AWS, delivering reliable and high-performance systems aligned with client requirements.

#### Junior Systems Analyst

PSG Tecnologia Aplicada — Campo Grande, Mato Grosso do Sul - Brazil

02/2014 – 03/2015

I started my career as a Junior Software Developer at PSG Technology, contributing to government-focused projects for the State Government, including the development of a new payroll payment system for public employees and a tax calculation system. Worked primarily with C# and .NET using SQL Server, gaining hands-on experience across the software development lifecycle, from implementation to maintenance and support. Collaborated within structured teams using Team Foundation Server (TFS) for version control and project management, developing strong foundations in backend development, database design, and delivery within deadline-driven environments.

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## ACADEMIC

**MATER'S DEGREE IN COMPUTER SCIENCE**

FEDERAL UNIVERSITY OF MATO GROSSO DO SUL

CAMPO GRANDE, MS, BRAZIL

AUGUST 2017

My dissertation, titled *"Recognition of Soybean Crop Diseases Using Locally Aggregated Vectors and Lightweight Assignments",* focused on improving Computer Vision algorithms such as BoVW and VLAD for automated detection of leaf diseases in soybean crops. The research was conducted at the Computer Vision Laboratory (LIA), under the supervision of Dr. Wesley Nunes Gonçalves, with an emphasis on feature extraction, image representation, and accurate disease classification.

**BACHELOR'S DEGREE IN COMPUTER SCIENCE**

FEDERAL UNIVERSITY OF MATO GROSSO DO SUL

CAMPO GRANDE, MS, BRAZIL

JULY 2014

My dissertation, entitled *"Study and Implementation of Image Segmentation Techniques,"* was carried out within the field of Artificial Intelligence, with a specific focus on Computer Vision. Under the supervision of Prof. Ma. Raquel Marcia Müller, I investigated and implemented various image segmentation techniques aimed at improving object detection and identification in complex scenes.

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## MAIN COURSES / SEMINARS

- **XI COMPUTER VISION WORKSHOP - 10/2015**
- **LATIN AMERICAN ROBOTICS COMPETITION - 10/2010**

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## PUBLISHED ARTICLES

- **Creating a User CRUD with Typescript, MongoDB, and Automatic Testing in Jest**
  WEBSITE: CRUD with Typescript
  02/2024
- **NEXTJS + REACT + TAILWIND + FIREBASE**
  WEBSITE: NextJS + React + Tailwind + Firebase
  02/2022
- **LOCAL DESCRIPTORS FOR SOYBEAN DISEASE RECOGNITION**
  COMPUTERS AND ELECTRONICS IN AGRICULTURE
  07/2016 – US
- **IDENTIFICATION OF FOLIAR SOYBEAN DISEASES USING LOCAL DESCRIPTORS**
  XI WORKSHOP DE VISÃO COMPUTACIONAL 2015
  10/2015 – SÃO PAULO, SP, BRASIL
- **TEAM DESCRIPTION PAPER: UFMS – TUIUIUTRONIKS**
  LATIN AMERICAN ROBOTICS COMPETITION 2010
  10/2010 – SÃO BERNARDO DO CAMPO, SP, BRASIL

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## OTHER SKILLS

Served as an Information Technology instructor in the PRONATEC/MEDIOTEC technical education program (Sep 2016 – Apr 2019). Delivered hands-on and theoretical instruction across multiple IT subjects, including Introduction to Informatics, Operating Systems, Programming Logic, and Object-Oriented Programming. Developed didactic materials, guided students through practical exercises, and supported the development of foundational and applied programming skills.

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03/2026.

# Exhibit B: Advanced Degree

FEDERAL PUBLIC SERVICE
MINISTRY OF EDUCATION
**FEDERAL UNIVERSITY OF MATO GROSSO DO SUL**

The President of the Federal University of Mato Grosso do Sul, in the exercise of his duties and in view of the completion of the stricto sensu Graduate Program - **Master's Degree** in

## Computer Science

on August 4, 2017, hereby confers the degree of **MASTER** upon

## *Rillian Diello Lucas Pires*

holder of Identity Card No. 47.117.995-4 - SP, Brazilian, born on December 27, 1990, in the State of São Paulo, and hereby awards this diploma so that the holder may enjoy all legal rights and prerogatives.

Campo Grande, August 24, 2017.

Graduate

Marcelo Augusto Santos Turine
President

FEDERATIVE REPUBLIC OF BRAZIL
ORDER AND PROGRESS

**FEDERAL UNIVERSITY OF MATO GROSSO DO SUL**
(Act of creation: Law No. 6,674/1979)

**PROPP – Vice President's Office for Research and Graduate Studies**
School of Computing

Stricto sensu Graduate PROGRAM - Master's Degree in
**Computer Science.**

Area of Concentration in:
**Computer Science.**

**Recognition:**

Opinion No. 102/2011, published in the Official Gazette of the Union No. 102 of May 30, 2011
Ordinance No. 1,077/2012, published in the Official Gazette of the Union No. 178 of September 13, 2012

**Recommended / CAPES:**

Reference No. CAA/CTC/75 of October 5, 2001 – Grade 4 (Triennium 2007–2009)

*Glossary:
CAA/CTC: Area Evaluation Committee/Technical-Scientific Council
CAPES: Brazilian federal agency for graduate education evaluation

**MINISTRY OF EDUCATION**
**FEDERAL UNIVERSITY OF MATO GROSSO DO SUL**

**DIPLOMA**

**Registered under No.:** 4446 **Book No.:** 23-MEST

**Page No.:** 46 **Record No.:** 23104-0012988/2017-43

**in accordance with the provisions of §1, Article 48, of Law No. 9,394/96, which establishes the Guidelines and Bases of National Education (Official Gazette of 12/23/1996).**

**Campo Grande - Mato Grosso do Sul,** September 1, 2017

**Nilton Santos Mattos**
**Head of the Diploma Registration Division – Ordinance No. 396/2014.**

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: December 29, 2025.

SERVIÇO PÚBLICO FEDERAL
MINISTÉRIO DA EDUCAÇÃO
**FUNDAÇÃO UNIVERSIDADE FEDERAL DE MATO GROSSO DO SUL**

O Reitor da Fundação Universidade Federal de Mato Grosso do Sul, no uso de suas atribuições e tendo em vista a conclusão do Curso de Pós-Graduação stricto sensu - **Mestrado** em

**Ciência da Computação**

em 4 de agosto de 2017, confere o título de **MESTRE** a

***Rillian Diello Lucas Pires***

Carteira de Identidade nº 47.117.995-4 - SP, nascido em 27 de dezembro de 1990, natural do Estado de São Paulo, nacionalidade brasileira e outorga-lhe o presente diploma a fim de que possa gozar de todos os direitos e prerrogativas legais.

Campo Grande, 24 de agosto de 2017.

Diplomado

Marcelo Augusto Santos Turine
Reitor

**FUNDAÇÃO UNIVERSIDADE FEDERAL DE MATO GROSSO DO SUL**
**(Ato de criação: Lei nº 6.674/1979)**

**PROPP - Pró-Reitoria de Pesquisa e Pós-Graduação**

Faculdade de Computação

CURSO stricto sensu - Mestrado em
**Ciência da Computação.**

Área de concentração em
Ciência da Computação.

**Reconhecimento:**

Parecer nº 102/2011 publicado no D.O.U. nº 102 de 30 de maio de 2011

Portaria nº 1.077/2012 publicado no D.O.U. nº 178 de 13 de setembro de 2012

**Recomendado/CAPES:**

Nº Ref. CAA/CTC/75 de 05/10/2001 - Conceito 4 (Triênio 2007-2009)

**MINISTÉRIO DA EDUCAÇÃO**
**FUNDAÇÃO UNIVERSIDADE FEDERAL DE MATO GROSSO DO SUL**

**DIPLOMA**

**Registrado sob nº :** 4446 **Livro nº :** 23-MEST

**Folha nº :** 46 **Processo nº :** 23104-0012988/2017-43

**de acordo com os termos do § 1º, do art. nº 48, da Lei nº 9.394/96, que estabelece as Diretrizes e Bases da Educação Nacional (DOU de 23/12/1996).**

**Campo Grande-MS,** 01 de setembro de 2017

**Nilton Santos Mattos**
**Chefe da Divisão de Registro de Diplomas - Portaria nº 396/2014.**

Ministry of Education

# *Federal University of Mato Grosso do Sul*

(Act of creation: Law No. 6,674/1979)

PROPP - Vice President's Office for Research and Graduate Studies

FACOM - School of Computing

PPGCC - Graduate Program in Computer Science

## Academic Transcript

**Program: Master's Degree in Computer Science [20029]**

**Student: 20157520 - Rillian Diello Lucas Pires [REGULAR]**

**Admission Date:** 02/04/2015 **Completion Date:** 08/04/2017 **Diploma Issuance Date:** 08/24/2017

### Personal Information

**CPF:** 385898458

**Marital Status:** single **Sex:** Male **Date of Birth:** 12/27/1990

**Place of Birth:** Jales/São Paulo **Nationality:** Brazilian

**Filiation:** Olivar Pires / Zilda Silva Lucas Pires

**Identification Document:** Identity Card 47117995-4 SSP/SP 08/23/2004

**Passport:**

### Undergraduate Degree Completion

**Institution:** Federal University of Mato Grosso Do Sul

**Program:** Computer Science

**Registration No.:** 43451 **Book:** 217-GRAD **Page:** 51

**Location:** Campo Grande/MS - Brazil **Year of Completion:** 2014

### Master's Degree

**Area of Concentration:** Computer Science

**Credits:** 28 **Workload:** 420

### Evaluation Criteria

**Minimum Attendance:** 75% **Minimum Grade:** C

**Recognition:** Opinion No. 102/2011, published in the Official Gazette of the Union No. 102 of May 30, 2011
Ordinance No.1,077/2012, published in the Official Gazette of the Union No.178 of September 13, 2012

**Recommendation:** Reference No. CAA/CTC/75 of October 5, 2001 - Grade 4 (Triennium 2007-2009)

**CAA/CTC: Area Evaluation Committee/Technical-Scientific Council*

### Language Exam

**Language:** English **Type:** Proficiency **Date:** 12/05/2016 **Grade:** APR

### Qualification Exam

**Exam Date:** 05/06/2016

**Grade:** APR

### Master's Thesis

**Advisor:** Wesley Nunes Goncalves

**Type:** Thesis **Defense Date:** 08/04/2017 **Evaluation:** APR

**Title:** Recognition of Soy Crop Diseases Using Locally Aggregated Vectors and Light Attributions

### Examining Committee

Wesley Nunes Goncalves (Chair)
Anderson Vicoso de Araujo
Denilson de Oliveira Guilherme
Hemerson Pistori (Alternate)

Ministry of Education

***Federal University of Mato Grosso do Sul***

(Act of creation: Law No. 6,674/1979)

PROPP - Vice President's Office for Research and Graduate Studies

FACOM - School of Computing

PPGCC - Graduate Program in Computer Science

## Academic Transcript

**Program: Master's Degree in Computer Science [20029]**

**Student: 20157520 - Rillian Diello Lucas Pires [REGULAR]**

**Admission Date:** 02/04/2015 **Completion Date:** 08/04/2017 **Diploma Issuance Date:** 08/24/2017

### Subjects Taken and Academic Activities

| Year/Semester | Subject | Type | Workload | Grade | Status |
|---|---|---|---|---|---|
| 2016/1 | **20029078 - Special Topics** | OPT | 60 | A | APC |
| 2015/1 | **20029062 - Graph Algorithms** | OPT | 60 | C | APR |
| 2015/1 | **20029008 - Computer Architecture** | OPT | 60 | B | APR |
| 2015/1 | **20029021 - Teaching Practicum I** | OBR | 30 | - | APR |
| 2015/1 | **20029040 - Computer Science Seminars** | OBR | 30 | - | APR |
| 2015/2 | **20029006 - Algorithm Analysis** | OPT | 60 | B | APR |
| 2015/2 | **20029067 - Software Development** | OPT | 60 | A | APR |
| 2015/2 | **20029072 - Directed Study in Information Systems** | OPT | 60 | A | APR |
| 2016/1 | **20029021 - Teaching Practicum I** | OBR | 30 | - | APR |
| 2016/2 | **20029055 - Thesis Development** | OBR | 0 | - | APR |
| 2017/1 | **20029055 - Thesis Development** | OBR | 0 | - | APR |
| 2017/2 | **20029055 - Thesis Development** | OBR | 0 | - | APR |

***Workload Required*** 420 ***No. of Required Credits*** 28

***Workload Taken*** 450 ***No. of Credits Taken*** 30

***LEGEND: Type:***

OPT = Elective

OBR - Mandatory

***LEGEND: Status:***

APC = Credit Transfer

APR = Approved

Henrique Mongelli

School Dean

Campo Grande - Mato Grosso do Sul, August 24, 2017.

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



_____ Date: December 29, 2025.

Ministério da Educação

**Fundação Universidade Federal de Mato Grosso do Sul**

(Ato de criação: Lei nº 6.674/1979)

PROPP - Pró-Reitoria de Pesquisa e Pós-Graduação

FACOM - Faculdade de Computação

PPGCC - Programa de Pós-Graduação em Ciência da Computação

# Histórico Escolar de Pós-Graduação Stricto Sensu

**Curso: Mestrado em Ciência da Computação [20029]**

**Acadêmico: 20157520 - Rillian Diello Lucas Pires [REGULAR]**

**Data de Ingresso:** 04/02/2015 **Data de Conclusão:** 04/08/2017 **Data do Diploma:** 24/08/2017

## Dados Pessoais

**CPF:** 38589845826

**Estado Civil:** solteiro **Sexo:** Masculino **Dt. Nascimento:** 27/12/1990

**Naturalidade:** Jales/SP **Nacionalidade:** brasileira

**Filiação :** Olivar Pires / Zilda Silva Lucas Pires

**Doc. Identificação:** Carteira de Identidade 47117995-4 SSP/SP 23/08/2004

**Passaporte:**

## Conclusão do Curso de Graduação

**Instituição:** Fundação Universidade Federal de Mato Grosso do Sul

**Curso:** Ciência da Computação

**Registro:** 43451 **Livro:** 217-GRAD **Folha:** 51

**Local:** Campo Grande/MS - Brasil **Ano de Conclusão:** 2014

## Mestrado

**Área de Concentração:** Ciência da Computação

**Créditos:** 28 **Carga Horária:** 420

## Critério de Avaliação

**Freqüência Mínima:** 75% **Conceito Mínimo:** C

**Reconhecimento:** Parecer nº 102/2011, D.O.U. nº 102 de 30 de Maio de 2011

Portaria nº 1.077/2012, D.O.U. nº 178 de 13 de Setembro de 2012

**Recomendação:** Nº Ref. CAA/CTC/75 de 05/10/2001 - Conceito 4 (Triênio 2007-2009)

## Exame de Línguas

**Língua:** Inglês **Tipo:** Proficiência **Data:** 05/12/2016 **Conceito:** APR

## Exame de Qualificação

**Data do Exame:** 06/05/2016

**Conceito:** APR

## Trabalho de Conclusão

**Orientador:** Wesley Nunes Goncalves

**Tipo:** Dissertação **Data da Defesa:** 04/08/2017 **Avaliação:** APR

**Título:** Reconhecimento de Doenças da Cultura da Soja usando Vetores Localmente Agregados e Atribuições Leves

## Banca Examinadora

Wesley Nunes Goncalves (Presidente)
Anderson Vicoso de Araujo
Denilson de Oliveira Guilherme
Hemerson Pistori (Suplente)

Ministério da Educação

***Fundação Universidade Federal de Mato Grosso do Sul***

(Ato de criação: Lei nº 6.674/1979)

PROPP - Pró-Reitoria de Pesquisa e Pós-Graduação

FACOM - Faculdade de Computação

PPGCC - Programa de Pós-Graduação em Ciência da Computação

# Histórico Escolar de Pós-Graduação Stricto Sensu

**Curso: Mestrado em Ciência da Computação [20029]**

**Acadêmico: 20157520 - Rillian Diello Lucas Pires [REGULAR]**

**Data de Ingresso:** 04/02/2015 **Data de Conclusão:** 04/08/2017 **Data do Diploma:** 24/08/2017

**Disciplinas Cursadas e Atividades Desenvolvidas**

| Ano/Sem | Disciplina | Mod. | C.H. | Conc. | Sit. |
|---|---|---|---|---|---|
| 2016/1 | **20029078 - Tópicos Especiais** | OPT | 60 | A | APC |
| 2015/1 | **20029062 - Algoritmos em Grafos** | OPT | 60 | C | APR |
| 2015/1 | **20029008 - Arquitetura de Computadores** | OPT | 60 | B | APR |
| 2015/1 | **20029021 - Estágio de Docência I** | OBR | 30 | - | APR |
| 2015/1 | **20029040 - Seminários de Computação** | OBR | 30 | - | APR |
| 2015/2 | **20029006 - Análise de Algoritmos** | OPT | 60 | B | APR |
| 2015/2 | **20029067 - Desenvolvimento de Software** | OPT | 60 | A | APR |
| 2015/2 | **20029072 - Estudo Dirigido em Sistemas de Informação** | OPT | 60 | A | APR |
| 2016/1 | **20029021 - Estágio de Docência I** | OBR | 30 | - | APR |
| 2016/2 | **20029055 - Elaboração de Dissertação** | OBR | 0 | - | APR |
| 2017/1 | **20029055 - Elaboração de Dissertação** | OBR | 0 | - | APR |
| 2017/2 | **20029055 - Elaboração de Dissertação** | OBR | 0 | - | APR |

***Carga Horária Exigida*** 420 ***Nº de Créditos Exigidos*** 28

***Carga Horária Cursada*** 450 ***Nº de Créditos Cursados*** 30

***LEGENDA PARA Mod. (MODALIDADE):***

OPT = Optativa

OBR = Obrigatória

***LEGENDA PARA Sit. (SITUAÇÃO):***

APC = Aproveitamento de crédito

APR = Aprovado

Henrique Mongelli
Diretor da Faculdade

Campo Grande - MS, 24 de Agosto de 2017.

Carnegie Evaluations LLC
315 East High Street, Bound Brook, New Jersey, 08805
Email: info@carnegieevaluations.com
Website: www.carnegieevaluations.com
Phone: (848)300-0099
Fax: (848) 300-5199

# EVALUATION OF ACADEMICS

Carnegie Evaluations LLC, who specializes in the evaluation of foreign educational credentials, has prepared the following academic credential evaluation.

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January 15, 2026

Name: **Mr. Rillian DIELLO LUCAS PIRES**

Following is a description of Mr. Diello Lucas Pires's foreign degree:

| | |
|---|---|
| Institution: | *Fundacao Universidade Federal de Mato Grosso do Sul* |
| Degree: | *Titulo de Bacharel* |
| Date of Award: | August 2014 |
| Year of Study: | Four and a half |
| Country: | Brazil |

| | |
|---|---|
| Institution: | *Fundacao Universidade Federal de Mato Grosso do Sul* |
| Degree: | *Titulo de Mestre* |
| Date of Award: | August 2017 |
| Years of Study: | Two |
| Country: | Brazil |

**Academic Equivalency in the United States**

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

**MASTER OF SCIENCE IN COMPUTER SCIENCE**

*Carnegie Evaluations LLC, offers this evaluation, after reviewing copies of the original diploma certificates and transcripts provided. This evaluation is advisory in nature and is based on the assumption that the submitted documents are accurate. There are no apparent grounds to disbelieve the authenticity and accuracy of the documentation presented on behalf of Mr. Rillian Diello Lucas Pires. In addition, this evaluation is based upon standard scholarly and professional sources as referenced at the end of this document. Carnegie Evaluations LLC, is not responsible for how this evaluation report will be used and is not responsible for damages resulting from such use of this report.*

## DISCUSSION OF MR. DIELLO LUCAS PIRES'S ACADEMICS

This credential evaluation is provided upon review of the degree certificates and transcripts awarded to Mr. Rillian Diello Lucas Pires during the course of his academic career. An analysis of Mr. Diello Lucas Pires's foreign educational courses for the *Titulo de Bacharel* (translated as Degree of Bachelor) and *Titulo de Mestre* (translated as Degree of Master) from *Fundacao Universidade Federal de Mato Grosso do Sul* (translated as Federal University of Mato Grosso do Sul) forms the basis for the following evaluation.

Mr. Diello Lucas Pires graduated with a Degree of Bachelor from the Federal University of Mato Grosso do Sul in August 2014. Federal University of Mato Grosso do Sul is an accredited institution of higher education in Campo Grande, Brazil. Admission to this program requires graduation from the US equivalent of high school and competitive entrance examinations for admission and enrollment. Mr. Diello Lucas Pires satisfactorily completed the academic course requirements for the Degree of Bachelor program. He majored in Computer Science and was awarded a *Titulo de Bacharel* from the institute.

This is a four-and-a-half-year undergraduate program of study that is equivalent to a degree of Bachelor of Science (B.S.) from an accredited institution of higher education in the United States. The academic criterion maintained by the Federal University of Mato Grosso do Sul is significantly similar to those parameters upheld by any other accredited colleges and universities in the United States.

The *Titulo de Bacharel* curriculum includes advanced bachelor's-level coursework and examinations in Algorithms and Data Structures, Introduction to Digital Systems, Algorithms and Programming, Calculus, Data Structures and Programming, Fundamentals of Computation Theory, Assembly Language, Formal Languages and Automata, Graph Theory and its Algorithms, Fundamentals of Information Technology, Introduction to Administration, Computer Architecture, Databases, Operating Systems, Computing and Society, Software Engineering, Computer Networks, Object-Oriented Programming Language, Wireless Networks, Object-Oriented Software Analysis and Design, Web Programming, Artificial Intelligence, Topics in Databases, Systems Administration, Compilers, Computer Graphics, Numerical Methods, Network Security, Topics in Information Systems, Fundamentals of Information Technology, Introduction to Administration, Vectors and Analytic Geometry, and other related subjects.

Thereafter, Mr. Diello Lucas Pires graduated with a Degree of Master from Federal University of Mato Grosso do Sul in August 2017. Admission to this program requires graduation from Bachelor level studies and competitive entrance examinations for admission and enrollment. Mr. Diello Lucas Pires satisfactorily completed the academic course requirements for a Degree of Master program. He majored in Computer Science and was awarded a *Titulo de Mestre* from the institute.

This is a two-year graduate program of study that is equivalent to a degree of Master of Science (MS) from an accredited institution of higher education in the United States. The *Titulo de Mestre* curriculum includes advanced graduate-level coursework and examinations in Graph Algorithms, Computer Architecture, Teaching Practicum, Computer Science Seminars, Algorithm Analysis, Software Development, Directed Study in Information Systems, and completion of a thesis project.

Upon reviewing Mr. Diello Lucas Pires's academic history, it becomes apparent that Mr. Diello Lucas Pires has satisfied the coursework requirements, which are substantially similar and equivalent to those required for the completion of a four-year Bachelor's Degree and a Master's Degree at an accredited institution of higher education in the United States.

## SUMMARY

On the basis of the academic reputation of Federal University of Mato Grosso do Sul, the nature and duration of the academic course work, and the grades attained in the courses, it is the judgment of Carnegie Evaluations LLC that Mr. Diello Lucas Pires has attained the equivalent of a Bachelor of Science in Computer Science and a Master of Science in Computer Science from an accredited institution of higher education in the United States.

Carnegie Evaluations LLC represents this evaluation report to be an accurate and correct evaluation to the best of its knowledge and belief, pursuant to the requirements of the Citizenship and Immigration Services of the United States Department of Homeland Security. Carnegie Evaluations LLC does not represent that the documentation submitted to it by anyone for evaluation meets the evidentiary standards of any state or federal agency or any court. This evaluation report, as are all such reports provided by Carnegie Evaluations LLC, is advisory for the customer who requested it.

The foregoing evaluation of Mr. Diello Lucas Pires has been reviewed and approved by me, Dr. Zach G. Zacharia, on January 15, 2026.

Sincerely,



Zach G. Zacharia, Ph.D.
Director, Carnegie Evaluations LLC.
Associate Professor of Supply Chain Management
Director, Lehigh Center for Supply Chain Research
Lehigh University

Evaluation Resources:

1. World Higher Education Database. International Association of Universities' Worldwide Database of Higher Education Institutions, Systems and Credentials. www.whed.net.
2. AACRAO EDGE. AACRAO Electronic Database for Global Education. https://www.aacrao.org/edge
3. Central Intelligence Agency (CIA). The World Factbook. https://www.cia.gov/the-world-factbook/
4. ENIC-NARIC. European Network of Information Centres in the European Region, National Academic Recognition Information Centres in the European Union. www.enic-naric.net.

## Bio: Professor Zach G. Zacharia

I am the Interim Department Chair, Decision and Technology Analytics (DATA) Department, an Associate Professor of Supply Chain Management, and Director of the Center for Supply Chain Research Lehigh in the College of Business and Economics, Lehigh University, where I teach Graduate and Undergraduate courses in Supply Chain Operations Management and Logistics and Transportation. In addition, I am also a visiting Professor at the Indian Institute of Technology (IIT) in New Delhi, India. I graduated with a B.S. in Mechanical Engineering from the University of Calgary, an MBA from the University of Alberta, and a Ph.D. in Logistics with a minor in Marketing from the University of Tennessee. My current research interests include Collaboration/Coopetition within the Supply Chain, Supplier Satisfaction, and the Physical Internet.

Before joining Academia, I worked at the University of Tennessee, Center for Transportation Research, for six years as an Associate Director. I also worked at the Department of Transportation in Alberta, Canada, for ten years as an Equipment Engineer. I am a principal in BZS Consulting, which primarily focuses on teaching Supply Chain Operations Management and evaluating collaboration and procurement strategies across firms in a supply chain.

I have developed significant international contacts and collaborations with many affiliate schools in several countries in Europe, Asia, and South America. I have evaluated numerous portfolios of international students from countries around the world and have performed in-depth assessments of how these foreign courses are equated to corresponding courses in the United States.

I have 29 refereed publications, including 2 articles in the Journal of Operations Management, 8 articles in the *Journal of Business Logistics,* and articles in *Decision Sciences*, the *Journal of Supply Chain Management, Industrial Marketing Management, International Journal of Production Research, International Journal of Production and Operations Management, International Journal of Logistics Management, Journal of Retailing, Journal of Business and Industrial Marketing, Marketing Management, Supply Chain Management Review, Journal of International Technology and Information Management*, *Journal of Vehicle Design* and *Wall Street Journal*. As a member of a Supply Chain Research Group at the University of Tennessee, I co-authored a book titled "*Supply Chain Management*" (Sage Publications, December 2000). I also contributed a chapter on logistics service providers and new product development in the book titled *Managing Innovation: The New Competitive Edge for Logistics Service Providers*, Stephan M. Wagner ed.**,** Kuehne Foundation Book Series (2007).

Among the awards that I have received is the DATA Department Service Award (2023), Staub Faculty Excellence Award (2013) for the College of Business, Lehigh University, Best Paper Finalist (2010) from the Journal of Operations Management, Best Paper Award (2007) from NARTS, and Best Dissertation Proposal Award (2000) from the University of Arkansas. As a member of a Supply Chain Research Group at the University of Tennessee, I coauthored a book titled Supply Chain Management (Sage Publications, December 2000).

## A. Biographical Information

Zach G. Zacharia, Ph.D.
Interim Department Chair, Decision and Technology Analytics Department
Associate Professor Supply Chain Management
Director, Center for Supply Chain Management Lehigh
Supply Chain Management Program Director
Department of Management, College of Business Administration and Economics
Lehigh University, 621 Taylor Street, Bethlehem, PA, 18015
Office: (610) 758-4433, Fax: (610) 758-6941
zgz208@lehigh.edu

### EDUCATION

1996 - 2001 **THE UNIVERSITY OF TENNESSEE** **Knoxville, TN**
**Doctor of Philosophy in Business Administration**

- Major: Logistics, Minor: Marketing
- Dissertation Title: An Analysis of the Effect of Logistics Involvement in Cross-functional Integrated New Product Development Projects (Advisor: Dr. John T. Mentzer)

1988 – 1993 **THE UNIVERSITY OF ALBERTA** **Edmonton, AB**
**Master of Business Administration**

1981 - 1985 **THE UNIVERSITY OF CALGARY** **Calgary, AB**
**Bachelor of Science, Mechanical Engineering**

1980 - 1981 **RED DEER COLLGE** **Red Deer, AB**
**Bachelor of Science**

1979 – 1980 **THE UNIVERSITY OF ALBERTA** **Edmonton, AB**
**Bachelor of Science**

### WORK EXPERIENCE SUMMARY

2016 – Present, Director, Center for Supply Chain Research Lehigh
2013 – Present, Associate Professor – Lehigh University
2008 – 2013 Assistant Professor – Lehigh University
2001 – 2008 Assistant Professor - Texas Christian University
1999 – 2001 Associate Director – Transportation Center, University of Tennessee
1997 – 1999 Assistant Director - Transportation Center, University of Tennessee
1995 – 1997 Senior Research Associate – University of Tennessee
1989 – 1995 Research Engineer – R&D Branch, Alberta Transportation & Utilities
1985 – 1989 Equipment Engineer – Alberta Transportation & Utilities

### CONSULTING PROJECTS, EXECUTIVE EDUCATION

2023 Ecofriendly Behavior on Personal Transportation, AFIT, Dalton
2020 Financial Flow in SC, DiCentral, Houston

| | |
|---|---|
| 2020 | Expert Witness – Real Estate Company, Bethlehem |
| 2020 | Lehigh University, Executive Education, Bethlehem |
| 2019 | Lehigh University, Executive Education, Bethlehem |
| 2019 | SC Collaboration in Drop Ship, DiCentral, Houston |
| 2018 | Coopetition in the Defense Industry, AFIT, Dayton |
| 2018 | IIT New Delhi, Executive Education, Delhi, India |
| 2017 | Lehigh University, Executive Education, Bethlehem |
| 2016 | IIT Madras, Global Initiative of Academic Networks, Chennai, India |
| 2015 | Morrison Executive Education, Santo Domingo, Dominican Republic |
| 2014 | CSCMP Executive Seminar, Bogota, Columbia |
| 2012 | Supply Chain Management Simulation, WAM Systems, Philadelphia |
| 2010 | Supply Chain Management Overview, Universidad de Piura, Peru |
| 2007 | Procurement of Capability Guidelines, Lockheed Martin Aeronautics |
| 2002 | Truck Safety Recommendations, University of Tennessee |

## B. Publications and Creative Activities

### EDITORIAL ROLES (6)

- Senior Associate Editor- *International Journal of Logistics Management (2018-current)*
- Senior Editor- *Journal of Business Logistics (2016- current)*
- Special Issue Editor-(Physical Internet) - *Journal of Business Logistics (2018-2020)*
- Special Issue Editor- (Inter-Disciplinary Research) *Journal of Business Logistics (2014-2015)*
- Editorial Board Member – *Journal of Operations Management*
- Editorial Board Member –*Transportation Journal*
- Editorial Board Member – *Journal of Supply Chain Management*

### DISSERTATION COMMITTEE MEMBER (2)

- Michael Plasch - *Supply Chain Collaboration - Investigating Motives, Drivers And Success Factors* – Johannes Kepler University Linz, Austria, 2021
- Kimberly K. Whitehead – *It's A Matter Of Give And Take: Exploring The Role Of Knowledge Transfer Within Supply Chain Collaboration* - University of Texas at Arlington, USA, 2014

**BOOK CHAPTERS (5)**

- **Zacharia, Zach G**. "Is there a role for Logistics Service Providers in New Product Development?" *Managing Innovation: The New Competitive Edge for Logistics Service Providers*, Stephan M. Wagner ed., Kuehne Foundation Book Series. Ch 7, 2008.
- Mentzer, John T., William J. DeWitt, James S. Keebler, Soonhong Min, Nancy W. Nix, Carlo D. Smith, and **Zach G. Zacharia**, "What is Supply Chain Management" *Supply Chain Management*, Thousand Oaks, CA: Sage Publications, Ch.1, 2000.
- **Zacharia, Zach G**., "R&D and New Product Development in Supply Chain Management" *Supply Chain Management*, John T. Mentzer ed.**,** Thousand Oaks, CA: Sage Publications, Ch.6, 2000.
- **Zacharia, Zach G**., "The Evolution and Growth of Production in Supply Chain Management" *Supply Chain Management*, John T. Mentzer ed., Thousand Oaks, CA: Sage Publications, Ch.8, 2000.
- **Zacharia, Zach G**, "The Evolution and Growth of Information Systems in Supply Chain Management" *Supply Chain Management*, John T. Mentzer ed., Thousand Oaks, CA: Sage Publications, Ch.11, 2000.

**REFEREED PUBLICATIONS (29)**

29. Varun Jain, Usha Mohan, Zach G. Zacharia, Nada R. Sanders (2022) "Improving patient satisfaction and outpatient diagnostic center efficiency using novel online real-time scheduling" *Operations Research for Health Care,* 32, 1-17, 100338

28. Saif Mir, Misty Blessley, **Zach Zacharia**, John Aloysius (2022) "Mending Fences in the Buyer-Supplier Relationship: The Role of Justice in Relationship Restoration" *Journal of Supply Chain Management*. Vol. 58, No. 3, 23 – 46.

27. Dev, Navin; Ravi Shankar; **Zach Zacharia**, Sanjeev Swami, (2021) "Supply chain resilience for managing the ripple effect in Industry 4.0 for green product diffusion" *International Journal of Physical Distribution & Logistics Management* Vol. 51 No. 8, 897-930.

26. Ballot, Eric, Benoit Montreuil, **Zach G. Zacharia**, (2021) "Physical Internet: First Results and Next Challenges" *Journal of Business Logistics* Vol 42 No. 1, 1 – 7.

25. Treiblmaier, Horst, Kristijan Mirkovski, Paul B. Lowry, **Zach G. Zacharia**, (2020) "The Physical Internet as a New Supply Chain Paradigm: A Systematic

Literature Review and a Comprehensive Framework" *International Journal of Logistics Management* Vol. 31 No. 2, 239-287.

24. **Zach G. Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2019) "The Emerging Role of Coopetition Within Inter-Firm Relationships" *International Journal of Logistics Management* Vol. 30, No. 2, 414-437.

23. Soonhong Min, **Zach G. Zacharia**, Carlo D. Smith (2019) "Defining Supply Chain Management: In the Past, Present and Future" *Journal of Business Logistics* Vol. 40 No.1, 44-55.

22. Kimberly Whitehead, **Zach Zacharia**, Edmund Prater (2019) "Investigating the Role of Knowledge Transfer in Supply Chain Collaboration" *International Journal of Logistics Management"* Vol. 30, No. 1, 284-302.

21. Misty Blessly, Saif Mir, **Zach G. Zacharia**, John Aloysius (2018) "Breaching Relational Obligations In A Buyer-Supplier Relationship: Feelings Of Violation, Fairness Perceptions And Supplier Switching" *Industrial Marketing Management* Vol. 74, Oct, 215-226.

20. Faraz, Alireza, Nada R. Sanders, **Zach G. Zacharia**, Markus Gerschberger (2018) "Monitoring Type B Buyer-Supplier Relationships" *International Journal of Production Research* Vol. 56, No. 18, 6225-6239.

19. Whitehead, Kimberly, **Zach G. Zacharia**, Edmund Prater, (2016) "Absorptive Capacity Versus Distributive Capability: The Asymmetry of Knowledge Transfer" *International Journal of Operations and Production Management* Vol. 36, No 10, 1308-1332.

18. Nada R. Sanders, Brian R. Fugate, **Zach G. Zacharia**, (2016) "Interdisciplinary Research In SCM: Through the Lens of The Behavioral Theory of The Firm" *Journal of Business Logistics* Vol. 37, No 2, 107-112.

17. Nancy W. Nix, **Zach G. Zacharia,** (2014) "The Impact of Collaborative Engagement on Knowledge and Performance Gains in Episodic Collaborations" *International Journal of Logistics Management* Vol. 25, No 2, 245-269.

16. **Zach G. Zacharia,** Nada R. Sanders, Brian R. Fugate (2014) "The Evolving Role of Disciplines Within Supply Chain Management" *Journal of Supply Chain Management* Vol. 50, No 1, 73-88.

15. Nada R. Sanders, **Zach G. Zacharia**, Brian R. Fugate (2013) "The Interdisciplinary Future of Supply Chain Management Research" *Decision Sciences* Vol. 44, No. 3, 413-429.

14. Geoffrey T. Stewart, **Zach G. Zacharia,** Andrew B. Artis (2012) "Leveraging Relationship Orientation and its Impact on Relationship Outcomes" *Journal of Business and Industrial Marketing,* Vol. 27, No. 8, 644-658.

13. **Zach G. Zacharia,** Nancy W. Nix, Robert F. Lusch (2011) "Capabilities that Enhance Outcomes of an Episodic Supply Chain Collaboration" *Journal of Operations Management*, Vol. 29, No. 6, 591-603.

12. **Zach G. Zacharia,** Nada R. Sanders, Nancy W. Nix (2011) "The Emerging Role of the Third-Party Logistics Provider (3PL) as a Supply Chain Orchestrator" *Journal of Business Logistics*, Vol. 32, No. 1, 40-54.

11. Danny Lanier, Jr., William F. Wempe, **Zach G. Zacharia**, (2010) "Concentrated Supply Chain Membership and Financial Performance: Chain- and Firm-Level Perspectives" *Journal of Operations Management*, Vol.28, No.1, 1-16.

10. **Zach G. Zacharia**, Chad W. Autry, David S. Preston, Charles W. Lamb, (2009) "IT Alignment with Business Strategies in a Healthcare Organizations: An Empirical Analysis" *Journal of International Technology and Information Management*, Vol. 18, No. 3/4, 477-494.

9. **Zach G. Zacharia,** Nancy W. Nix and Robert F. Lusch, (2009) "An Analysis of Supply Chain Collaborations and Their Effect on Performance" *Journal of Business Logistics*, Vol. 30, No. 2, 101-123.

8. Chad W. Autry, **Zach G. Zacharia** and Charles W. Lamb, (2008) "A Logistics Strategy Taxonomy" *Journal of Business Logistics,* Vol. 29. No. 2, 53-74.

7. Nancy W. Nix, Robert F. Lusch, **Zach G. Zacharia**, and Wesley R. Bridges, (2008) "Competent Collaborations" *Marketing Management*, Vol. 17, No. 2, 18-24.

6. **Zach G. Zacharia** and John T. Mentzer (2007) "The Role of Logistics in New Product Development," *Journal of Business Logistics*, Vol. 28, No. 1, 83-110.

    a. Reprinted in:
    b. *Logistique and Management,* Vol. 16, No. 1, 35-53, (2008).

5. **Zach G. Zacharia** and John T. Mentzer (2004) "Logistics Salience In A Changing Environment," *Journal of Business Logistics*, Vol. 25, No. 1, 187-210.

    a. Reprinted in:
    b. *The ICFAI Journal of Supply Chain Management*, Vol. 3, No. 1, 53-72, (2006).

4. Mentzer, John T., William DeWitt, James S. Keebler, Soonhong Min, Nancy W. Nix, Carlo D. Smith, **Zach G. Zacharia** (2001) "Defining Supply Chain Management," *Journal of Business Logistics*, Vol. 22, No. 2, 1-25.

    c. Reprinted in:
    d. *Logistique and Management,* Vol. 9, No. 2, 3-19, (2001).

3. **Zacharia, Zach G**., John E. Tidwell and Stephen H. Richards (2001) "An Overview of Truck and Bus Safety:1999 Knoxville Symposium," *Journal of Vehicle Design*, Vol. 26, No. 4, 442-453.

2. Mentzer, John T., Min Soonhong and **Zach G. Zacharia** (2000) "The Nature of Interfirm Partnering in Supply Chain Management," *Journal of Retailing*, Winter, Vol. 76, Issue 4, 549-568.

1. **Zacharia, Zach G**. and Bart Jennings (1998) "The Use of Active Participation and Group Competition to Facilitate Training and Technology Transfer for Adult Learners," *Transportation Research Record,* No. 1637, 13-18.

**PAPERS UNDER REVIEW (2)**

- Zach G. Zacharia, Scott C. Ellis, Saif Mir, Robert J. Trent - "Gaining Advantage Through Social Exchange: How and Under What Conditions" (Revise and Resubmit)

- **Saif Mir, Timothy W. Breitbach, Zach G. Zacharia, Benjamin T. Hazen "Supplier Cultivation: An Accelerator Approach to Ecosystem Innovation" (Under Review)**

**NON - REFEREED PUBLICATIONS (5)**

5. **Zach G. Zacharia** (2020), What Every CFO Needs to Know about Supply Chains

4. **Zach G. Zacharia** (2019), Supply Chain Collaboration in Transformative Vertical Industries (Implications of Omnichannel and Drop Shipping)

3. Robert J. Trent, **Zach G. Zacharia,** (2012) "The Wisdom of Becoming a Preferred Customer," *Supply Chain Management Review* Vol. 16, No. 6, 10-18.

2. Nix, W. Nancy, Robert F. Lusch, **Zach G. Zacharia**, and Wesley R. Bridges, (2007) "The Hand That Feeds You – What Makes Some Collaborations with Suppliers Succeed – When So Many Fail?" *The Journal Report- Business Insight* (A Joint Venture with MIT *Sloan Management Review* and *Wall Street Journal*), Dow Jones and Company

1. **Zacharia, Zach G**. (1994) "Expert System Simplifies Bridge Paint Maintenance Programs," *Materials Performance,* June, 25 - 28.

**CONFERENCE PROCEEDINGS (18)**

18. **Zach Zacharia**, Timothy Breitbach, Ben Hazen, Saif Mir (2019) "Utilizing Accelerator Programs for adopting Innovations to Encourage the Adoption" *CSCMP Conference,* Anaheim, CA, September 15.
17. **Zach Zacharia**, Timothy Breitbach, Ben Hazen, Saif Mir (2018) "Utilizing Accelerator Programs to Encourage the Adoption of New Innovations in Large Organizations" *DSI Conference,* Chicago, IL, November 17.
16. Robert Weidmer, **Zach Zacharia**, (2018) "Competing Governance Mechanisms in Buyer-Supplier Relationships" *DSI Conference,* Chicago, IL, November 16.
15. **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2017) "The Role of Coopetition in Buyer Supplier Relationships" *DSI Conference,* Washington, DC, November 18.
14. **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2017) "Understanding the Antecedents and Outcomes of Coopetition" *CSCMP Academic Research Conference,* Atlanta, Georgia, September 24.
13. **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2017) "The Evolving Role of Coopetition within the Supply Chain" *CSCMP European Research Seminar,* Barcelona, Spain, May 19.
12. Gouda, Sirish, **Zach Zacharia**, Haritha Saranga (2016) "Linking New Forms of Work Organization and External Integration: Mediating role of cross functional collaboration" *DSI Conference,* Austin, Texas, November 21.
11. Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2016) "The role of apologies following transgressions in buyer-supplier relationships." *CSCMP Educator Conference,* Orlando, Florida, September 25.
10. Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2016) "The role of transactional and relational psychological contract breach in supplier switching behavior." *CSCMP European Research Seminar,* Vienna, Austria, May 13.
9. Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2015) "Should I stay or should I go? The role of transactional and relational psychological contract breach in supplier switching behavior." *CSCMP Educator Conference,* San Diego, California, September 27.
8. **Zacharia, Zach G.,** Nancy W. Nix and Robert F. Lusch (2007) "Supply Chain Collaborations: Project Performance and Business Performance" *18th North American Teaching and Research Conference,* Tempe, Arizona, March 29-31.

7. **Zacharia, Zach G.** (2005) "Team Based Learning in MBA and Undergraduate Supply Chain Management Classes" *16th North American Teaching and Research Conference,* Tempe, Arizona, March 17-19.

6. Nix, Nancy W., **Zach G. Zacharia** and Robert F. Lusch (2005) "Keys to Effective Supply Chain Collaboration" *16th North American Teaching and Research Conference,* Tempe, Arizona, March 17-19.

5. **Zacharia, Zach G.** and Marc E. Ruzicka (2003) "Experiential Learning: Live Business Cases in MBA Supply Management and Logistics Classes" *14th North American Teaching and Research Conference,* Tempe, Arizona , March 21- 23.

4. **Zacharia**, **Zach G** (2000) "The Evolution and Growth of Production in the Supply Chain", *Society for Marketing Advances Conference*, Orlando, Florida, November 8-10.

3. **Zacharia, Zach G**., John E. Tidwell and Stephen H. Richards (2000) "An Overview of Truck and Bus Safety:1999 Knoxville Symposium," *4th International Fatigue Management Conference*, Perth, Australia, March 19-2.

2. **Zacharia, Zach G**. and Bart Jennings (1998), "The Use of Active Participation and Group Competition to Facilitate Training and Technology Transfer for Adult Learners," *Transportation Research Board Conference Proceedings,* Washington, District of Columbia, January 4-8.

1. **Zacharia, Zach G**. (1992), "Bridge Paint Expert Systems"*, Second International Organization for Economic Cooperation and Development (OECD) Conference on Knowledge Based Expert Systems in Transportation*, Montreal, Canada, April 3-7.

**CONFERENCE PRESENTATIONS (3)**

3. **Zach Zacharia**, (2022) "Identifying and Ranking Supply Chain Risks" *WDSI Conference,* Waikoloa, HI, April 7.

2. Annibal Sodero**, Zach Zacharia**, (2022) "Antecedents and outcomes of drop-shipping adoption in the retail supply chain" Euroama Conference, Berlin, July 3rd

1. Saif Mir**, Zach Zacharia**, (2022) "Risks in Procurement and Sourcing" DSI Conference Houston, November 21

**PODCASTS (5)**

- **Zacharia, Zach G**. (2021), "Red Flags in the Supply Chain" https://business.lehigh.edu/blog/2021/zach-zacharia-red-flags-supply-chain (July 2nd)

- **Zacharia, Zach G**. (2021), "Red Flags in the Supply Chain" https://business.lehigh.edu/blog/2021/zach-zacharia-red-flags-supply-chain (July 2nd)

- **Zacharia, Zach G**. (2021), "Disruptive New Paradigm of the Physical Internet" https://business.lehigh.edu/blog/2021/zach-zacharia-disruptive-new-paradigm-physical-internet (June 3rd)

- **Zacharia, Zach G**. (2018), "Dealing with Disruptive Innovations in the Supply Chain" (https://cbe.lehigh.edu/blog/posts/dealing-disruptive-innovations-supply-chain) (October 24)

- **Zacharia, Zach G**. (2017), "Drop Shipping: A New Opportunity for Retailers and Suppliers" (https://cbe.lehigh.edu/blog/posts/drop-shipping-new-opportunity-retailers-and-suppliers) December 11

- **Zacharia, Zach G**. (2017), "What You Need to Know About the Physical Internet" (https://cbe.lehigh.edu/blog/posts/what-you-need-know-about-physical-internet (March 14) (Ranked 4th in Google Search for Physical Internet)

**WORKING PAPERS (6)**

- Zach Zacharia, Michael Plasch, Markus Gerschberger "Explorative and exploitative motives for coopetition" *Target: International Journal of Production Economics*

- Zach Zacharia, Annibal Sodero "Drop Shipping and its Effects on the New E-Commerce Retail Paradigm" *Target: Journal of Operations Management"*

- Zach Zacharia, Robert Wiedmer, Kimberly Whitehead "Competing Governance Mechanisms in Buyer-Supplier Relationships" *Target: Journal of Operations Management*

- Zach Zacharia, Cedric Heuchenne, Nada Sanders, Faraz, Alireza "Comparison of populations based on binary characteristics in the presence of non-response" *Target: Production Operations Management Journal*

- Zach Zacharia, Gopal Kumar "Environmental and social performance leads to supply chain performance? An analysis in context of sustainable collaboration" *Target: Supply Chain Management: An International Journal*

- Zach Zacharia, Benjamin Hazen, Timothy Breitbach, Saif Mir "How Accelerator Programs Facilitate Innovation Adoption in Large Organizations" *Target: Journal of Operations Management*

## 27. Honors and Awards (25)

| | |
|---|---|
| 2023 | DATA Department Service Award, Lehigh University |
| 2018 | Teaching Innovation Grant, CBE, Lehigh University |
| 2018 | Senior Associate Editor for *International Journal of Logistics Management* |
| 2017 | Best Reviewer Award *Journal of Business Logistics* |
| 2016 | Editor for *Journal of Business Logistics News* |
| 2016 | Associate Editor for *Production Operations Management* Special Issue |
| 2015 | Associate Editor for *Journal of Business Logistics* |
| 2015 | Member of the *Transportation Journal* Editorial Board |
| 2013 | Robert and Christine Staub Faculty Excellence Award |
| 2012 | Member of the *Journal of Supply Chain Management* Editorial Board |
| 2011 | Best Paper Finalist for 2010 (*Journal of Operations Management*) |
| 2011 | Best Paper Award (European DSI Conference) |
| 2010-2011 | Council of Supply Chain Management Professional Educator Conference Chair |
| 2010 | Member of the *Journal of Operations Management* Editorial Board |
| 2010 | Member of the *Journal of Business Logistics* Editorial Board |
| 2009-2010 | Supply Chain Management Educator Conference Proceedings Editor |
| 2007-2008 | Council of Supply Chain Management Case Editor |
| 2007 | Best Paper Award (*NARTS-ISM Conference*) |
| 2006 | Tied for highest SPOT (Student Perception of Teaching) score |
| 2005 | Highest SPOT (Student Perception of Teaching) in INSC department |
| 2000 | Doctoral Dissertation Proposal Award (*University of Arkansas)* |
| 2000 | Outstanding Student Paper Award *(Society for Marketing Advances)* |
| 2000 | Finalist *(ISBM Doctoral Dissertation Award)* |
| 2000 | Scholarly Research Grant Recipient *(University of Tennessee)* |
| 1999, 1997 | Fellow *(Council of Logistics Management Doctoral Symposium)* |

### 28. Research Funding (16)

| | |
|---|---|
| 2019 | DiCentral – SCM and Financial Flow Research $20,000 |
| 2019 | Ben Franklin Technology Partners and ESPI $20,000 |
| 2018 | AFIT – Managing Customer Driven Coopettittion Projects $25,000 |
| 2017 | DiCentral – Drop Shipment Research $20,000 |
| 2014-2015 | International Travel Grant - One of 5 recipients selected across the entire University $5000 |
| 2011 | Faculty Research Grant – Lehigh University (Principal Investigator), Catherine Ridings (Lehigh University) " Does investment in Supply Chain Management and Information Technology provide value for micro firms?" $4500 |
| 2009 | Summer Research Grant – College of Business and Economics, Lehigh University (Principal Investigator), Nada R. Sanders (Lehigh University, Brian S. Fugate (Colorado State University) *"State of Supply Chain Management: A Visionary Perspective"* $3000 |
| 2002-2007 | Charles Tandy American Enterprise Center Faculty Research Award *(Texas Christian University)* ($10,000/yr) |
| 2003, 05, 07 | Junior Faculty Research Grant *(Institute of Supply Management)* ($750/yr) |
| 2005 | Research Center for Teaching Excellence, Faculty Fellow Grant *(Texas Christian University)* ($2500) |

## F. Scholarly Presentations (79)

- **Zacharia, Zach G.,** "*Supply Chain Collaboration in Transformative Vertical Industries"* Retail Value Chain Federation Conference, Teaneck, New Jersey, May 6, 2019

- **Zacharia, Zach G.,** "*Theoretical and Conceptual Foundations of Supply Chain Management"* PhD Research Seminar, Indian Institute of Technology, New Delhi, January India, January 25, 2018.

- **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger "*The Role of Coopetition in Buyer Supplier Relationships*" *DSI Conference,* Washington, DC, November 18, 2017

- **Zacharia, Zach G.,** "*Utilizing Drop Shipment to Improve Your Bottom Line"* Retail Value Chain Federation Conference, Phoenix, Arizona, November 6, 2017

- **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger "*Understanding the Antecedents and Outcomes of Coopetition*" *CSCMP Academic Research Conference,* Atlanta, Georgia, September 24, 2017

- **Zacharia, Zach G.,** "*Complexity in Supply Chain Management"* PhD Research Seminar, Atlanta, Georgia, September 23, 2017

- **Zacharia, Zach G.,** "*Coopetition Research"* PhD Research Seminar, Atlanta, September 22, 2017

- **Zacharia, Zach G.,** "*Buyer Supplier Relationships"* PhD Research Seminar, Atlanta, September 21, 2017

- **Zacharia, Zach G.,** "*Publishing Research in American Supply Chain Journals"* Indian Institute of Technology, New Delhi, India, July 21, 2017.

- **Zacharia, Zach G.,** "*Transforming Traditional Networks Through the Use of Collaborative Environments"* Supply Chain Leaders in Action Conference, Naples, Florida June 5, 2017

- **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2017) "*The Evolving Role of Coopetition within the Supply Chain*" CSCMP European Research Seminar*,* Barcelona, Spain, May 19.

- **Zacharia, Zach G.,** "*Logistics PhD programs in the US panel session"* Logistics Doctoral Symposium, Auburn University, Auburn, February 24, 2017.

- **Zacharia, Zach G.,** "*A Research Journey"* Indian Institute of Technology, Trichy, India, February 6, 2017.

- **Zacharia, Zach G.,** "*Orientation and Firm Infrastructure"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria January 12, 2017

- **Zacharia, Zach G.,** "*Strategy"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria January 11, 2017

- **Zacharia, Zach G.,** "*Conceptual Foundations from Procurement and Operations"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria January 10, 2017

- **Zacharia, Zach G.,** "*Conceptual Foundations from Marketing and Logistics"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria January 9, 2017

- **Zacharia, Zach G.,** "*Theoretical and Conceptual Foundations of Supply Chain Management"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria August 10, 2016

- **Zacharia, Zach G.,** "*Philosophy of Science"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria August 9, 2016

- **Zacharia, Zach G.,** " *Conceptual Foundations of Marketing"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria August 8, 2016

- **Zacharia, Zach G.,** " *Conceptual Foundations of Operations"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria August 10, 2016

- Gouda, Sirish, **Zach Zacharia**, Haritha Saranga (2016) "Linking New Forms of Work Organization and External Integration: Mediating role of cross functional collaboration" *DSI Conference,* Austin, Texas, November 21.

- Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2016) "The role of apologies following transgressions in buyer-supplier relationships." *CSCMP Educator Conference,* Orlando, Florida, September 25.

- **Zacharia, Zach G.,** " *Increasing Efficiency and Reducing Cost within a Supply Chain"* Indian Institute of Technology, Madras, India, June 13 2016.

- Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2016) "The role of transactional and relational psychological contract breach in supplier switching behavior." *CSCMP European Research Seminar,* Vienna, Austria, May 13.

- Bleasley, Misty, Mir, Saif, **Zacharia, Zach G.,** Aloysius, John " *Should I stay or should I go? The role of transactional and relational psychological contract breach in supplier switching behavior"* Council of Supply Chain Management Educator Conference, San Diego, September 27, 2015.

- **Zacharia, Zach G.,** "*Qualitative and Quantitative Research Paths in SCM"* , University of Arkansas, Fayetteville, Arkansas Feb 27, 2015.

- **Zacharia, Zach G.,** "*Publishing Research in American Supply Chain Journals"* Indian Institute of Management, Bangalore, India, January 13, 2015.

- **Zacharia, Zach G.,** Scott Ellis, Robert J. Trent "*Gaining Advantage Through Social Exchange: How and Under What Conditions"* Production Operation Management Conference, Atlanta, Georgia, May 10, 2014.

- Ellis, Scott, **Zacharia, Zach G.,** Jae-Young Oh "*The Role of Functional Congruence in Cross-Functional and Inter-organizational Collaboration"* Decision Sciences Institute Conference, Baltimore, Maryland, November 19, 2013.

- **Zacharia, Zach G.,** "*Supply Chain Management, Collaboration and their Role Across Businesses and People"* Congress of Latin American Engineering Students, Lima, Peru, October 29, 2013.

- **Zacharia, Zach G.,** Scott Ellis, "*Antecedents to Buyer-Engineer Knowledge Transfer"* Production Operation Management Conference, Denver, Colorado, May 4, 2013.

- **Zacharia, Zach G.,** "*Balancing Effective Research and Teaching"* – Invited Panel Presentation, Council of Supply Chain Management Doctoral Symposium, Atlanta, Georgia, October 1, 2012.

- **Zacharia, Zach G.,** "*What are some of the Factors That Affect the Relationship Between Cross Functional New Product Development and New Product Project Performance?"* Decision Sciences Institute Conference, Boston, Massachusetts, November 22, 2011.

- **Zacharia, Zach G.,** "*Supply Chain Security - An Academic Discussion and Future Research"* Invited Panel Presentation, Decision Sciences Institute Conference, Boston, Massachusetts, November 21, 2011.

- **Zacharia, Zach G.,** "*Conference Chairperson Opening Remarks"* Council of Supply Chain Management Educator Conference, Philadelphia, Pennsylvania, October 2, 2011.

- **Zacharia, Zach G.,** William F. Wempe William and Danny Lanier, Jr. "*Concentrated Supply Chain Membership and Financial Performance: Chain- and Firm-Level Perspectives"* Academy of Management Conference, San Antonio, Texas, August 12 – August 17, 2011.

- **Zacharia, Zach G.** and Catherine M. Ridings *"Does investment in Supply Chain Management and Information Technology provide value for micro firms?"* Production Operations Management Conference, Reno, Nevada, April 28-May 1, 2011.

- **Zacharia, Zach G.** and Robert J. Trent *"Supplier Satisfaction and Innovation Sharing"* Decision Sciences Institute Conference, San Diego, November 20-23, 2010.

- Christoph Bode, Stephan M. Wagner and **Zacharia, Zach G.,** "*The Effect of Cooperation, Supplier Development, and Relationship-Specific Investments on Suppliers' Willingness to Share Innovation"* Decision Sciences Institute Conference, San Diego, November 20-23, 2010.

- **Zacharia, Zach G.** *"Personal Career Development in Academia: What now and How"* Council of Supply Chain Management Professionals Doctoral Symposium, San Diego, September 27, 2010.

- **Zacharia, Zach G.** *"Supply Chain Management Overview"* Executive MBA Program, Universidad de Piura, Piura, Peru, June 12, 2010.

- **Zacharia, Zach G.** *"Supply Chain Management Collaboration Strategies"* CSCMP Roundtable, Lima, Peru, June 11, 2010.

- **Zacharia, Zach G.** and John R. MacDonald *"Are differences in Risk Planning Significant?"* Production and Operations Management Conference, Vancouver, Canada, May 7-10, 2010.

- **Zacharia, Zach G.** and Robert J. Trent *"Supplier Satisfaction – How does it matter?"* Production and Operations Management Conference, Vancouver, Canada, May 7-10, 2010.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"The Moderating Role of Absorptive Capability and Collaborative Communication in Organizational Learning"* 19$^{th}$ *North American Teaching and Research Conference,* Tempe, Arizona, March 11-12, 2010

- **Zacharia, Zach G.** and John R. MacDonald *"Risk Planning: Is it of Value"* Decision Sciences Institute Conference, New Orleans, LA, November 17, 2009.

- **Zacharia, Zach G.** *"When Should New Product Development Managers Consider Distribution Logistics"* Decision Sciences Institute Conference, New Orleans, LA, November 15, 2009.

- John R. MacDonald and **Zacharia, Zach G.** *"Risk and Disruption Management: The Impact of Behavioral Interference"* Behavioral Operations Conference, Syracuse, NY, June 26, 2009.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"The Moderating Role of Absorptive Capability and Collaborative Communication in Organizational Learning"* Production and Operation Management Conference, Orlando, FL, May 2, 2009.

- **Zacharia, Zach G.,** Nancy W. Nix and Robert F. Lusch "Supply Chain Collaborations: Project Performance and Business Performance" *18$^{th}$ North American Teaching and Research Conference,* Tempe, Arizona, March 29-31. (2007)

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"The Moderating Role of Absorptive Capability and Collaborative Communication in Organizational Learning"* University of Tennessee, Knoxville, TN, November 7, 2006.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"The Moderating Role of Absorptive Capability and Collaborative Communication in Knowledge Acquisition"* DFWCSMP Roundtable meeting, Dallas, TX, October 12, 2006.

- **Zacharia, Zach G.,** *"Early Supplier Involvement"* National Council for Advanced Manufacturing, Washington, MD, June 7, 2006.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"Keys to Effective Supply Chain Collaboration and Knowledge Acquisition"* National Council for Advanced Manufacturing, Washington, MD, June 7, 2006.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"Keys to Effective Supply Chain Collaboration"* Supplier Network Working Group Meeting, Fort Worth, TX March 16, 2006.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"Keys to Effective Supply Chain Collaboration"* Institute of Supply Management Group Meeting, Fort Worth, Texas, January 3, 2006.

- **Zacharia, Zach G.** "Team Based Learning in MBA and Undergraduate Supply Chain Management Classes" *16th North American Teaching and Research Conference,* Tempe, Arizona, March 17-19. (2005)

- Nix, Nancy W., **Zach G. Zacharia** and Robert F. Lusch "Keys to Effective Supply Chain Collaboration" *16th North American Teaching and Research Conference,* Tempe, Arizona, March 17-19. (2005)

- **Zacharia, Zach G.,** *"Education Strategies"* Council of Logistics Roundtable Leadership Forum, Chicago, Illinois, June 11-12, 2004.
- **Zacharia, Zach G.,** and Nancy W. Nix, *"Supply Chain Collaboration – The role of a 3PL intermediary"* Society of Marketing Advances, New Orleans, Louisiana, November 6 - 8, 2003.
- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"Collaboration Effectiveness in the Supply Chain: A Knowledge and Capabilities Based Approach"* American Marketing Faculty Consortium, Dallas, Texas, October 30-November 2, 2003.

- **Zacharia, Zach G.,** *"What does it mean to be an education officer in your roundtable?"* Council of Logistics Roundtable Leadership Forum, Chicago, Illinois, June 6-7, 2003.

- Nix, Nancy W. and **Zach G. Zacharia**, Track Chairs "*Going Beyond the Hype: Getting and Measuring the Value from your Supply Chain Initiatives"* Council of Logistics Management Conference, Chicago, Illinois, September 23-27, 2003.
- **Zach G. Zacharia,** *Top 10 Truck Safety Recommendations*, Federal Motor Carrier Safety Administration, Washington, District of Columbia, October 16, 2002.
- **Zach G. Zacharia,** *Logistics Involvement in New Product Development*, University of Arkansas, Fayetteville, Arkansas, September 18, 2002.
- **Zach G. Zacharia,** "Supply and Value Chain Certificate Program" presented at the Supply and Value Chain Conference, Ft. Worth, Texas, February 8, 2002.
- **Zach G. Zacharia,** "*Tennessee Transportation Assistance Program*" presented at the Region 4 LTAP conference, St. Petersburg, Florida, May 16, 2001.
- **Zach G. Zacharia,** "*The Evolution and Growth of Production in the Supply Chain*", *2000 Society for Marketing Advances Conference*, Orlando, Florida, November 8. 2000.
- **Zach G. Zacharia,** and Soonhong Min "*The Nature of Interfirm Partnering in Supply Chain Management*" presented at American Marketing Association, Chicago, Illinois, August 5, 2000.
- **Zach G. Zacharia,** *"Searching the Internet and Web Page Design"* presented at University of Tennessee, Knoxville, Tennessee, April 17, 2000.
- **Zach G. Zacharia,** *"An Overview of Truck and Bus Safety: 1999 Knoxville Symposium* presented at the 4th International Fatigue Management Conference, Perth, Australia, March 19 – 22, 2000.
- **Zach G. Zacharia,** "*Traffic Safety and the Internet*" presented at the Governor Highway Safety Conference, Memphis, Tennessee, July 12-14, 1999.
- **Zach G. Zacharia,** "*Tennessee Transportation Assistance Program*" presented at the Asphalt Emulsion Users Conference, Nashville, Tennessee, November 19, 1998.
- **Zach G. Zacharia** and Barton R. Jennings "*The Use of Active Participation and Group Competition to Facilitate Training and Technology Transfer for Adult Learners*" Transportation Research Board Conference, Washington, District of Columbia, January 10-14, 1998.
- **Zach G. Zacharia,** "*Training Requirements for Local Governments*" presented at the National Transportation Training Conference, Reno, Nevada, October 7-9, 1997.
- **Zach G. Zacharia,** "*Logistics Thought: Key Messages and Implications from the Field of Marketing*," presented at the Council of Logistics Management Doctoral Symposium, Chicago, Illinois, October 3-4, 1997.

- **Zach G. Zacharia,** "*Navigating the Internet*" presented at the Southeast Local Roads Conference, Biloxi, Mississippi, September 24-26, 1997.
- **Zach G. Zacharia,** "*Bridge Paint Expert Systems,"* presented at the Second International Organization for Economic Cooperation and Development (OECD) Conference on Knowledge Based Expert Systems in Transportation, Montreal, Canada, June 14-16, 1992.

## G. Teaching and Research Advising

**COURSES:**

Lehigh University (2008 – Present)

- SCM 186 - Supply Chain Management and Operations (Undergraduate 2008 - present)
- SCM 354 - Logistics and Transportation (Undergraduate 2008-present)
- GBUS 453 – Logistics and Transportation (Graduate 2013 – present)
- GBUS 492- Supply Chain Management Strategy (Graduate 2010- 2015) (Summer Course)
- Advising 14 Supply Chain Management Majors (2021)
- Advising 11 Supply Chain Management Majors (2020)
- Advising 21 Supply Chain Management Majors (2019)
- Advising 5 Supply Chain Management Majors (2018)
- Advising 24 Supply Chain Management Majors (2017)
- Advising 9 Supply Chain Management Majors (2016)
- Advising 27 Supply Chain Management Majors (2015)
- Advising 28 Supply Chain Management Majors (2014)
- Advising 24 Supply Chain Management Majors (2013)
- Advising 9 Supply Chain Management Majors (2012)
- Advising 10 Supply Chain Management Majors (2011)
- Advising 13 Supply Chain Management Majors (2010)
- Advising 6 Supply Chain Management Majors (2009)

Texas Christian University (2001 – 2008)

- Strategic Sourcing and Procurement (Professional MBA) 2007
- Business Simulation (Professional MBA) 2007
- Supply Chain Management Concepts (Full-Time MBA) 2005 – 2008
- Supply Chain Management Concepts (Professional MBA) 2001– 2008
- Logistics and Transportation (Professional MBA) 2001 - 2008
- Supply Chain Tools and Technologies (Professional MBA) 2002
- Logistics and Transportation (Undergraduate) 2001 - 2008
- Supply Chain Management Concepts (Undergraduate) 2003 – 2004
- Supply Chain Tools and Technologies (Undergraduate) 2003
- Procurement and Supply Management (Undergraduate) 2003

University of Tennessee (1996-2001)

- Introduction to Transportation (Undergraduate) Summer 1998
- Introduction to Logistics (Undergraduate) Summer 1999
- Marketing Management (Undergraduate) Spring 2000
- Global Logistics and Transportation (Undergraduate) Summer 2000

## H. SERVICE

University

Faculty Compensation Committee (2016 – 2019)

College

Director, Center for Supply Chain Research Lehigh
Promotion and Tenure Committee (2021 – onwards)
Chair, Database and Software Committee (2018 – onwards)
Ph.D. Task Force (2017)
Undergraduate Core Curriculum Committee (2016)
Math Committee to Assess Assessment Results (2010)

Department

BIS Assistant Professor Search Chair – Tenure Track (2021-2021)
SCM Assistant Professor Search Chair – Tenure Track (2020-2020)
DATA Department Chair Search – Tenure Track (2019-2019)
SCM Assistant Professor Search Chair – Tenure Track (2018-2018)
SCM POP Search Chair (2017-2017)
Research Seminar Committee (2010-2011)
SCM Club Faculty Liaison (2009-2019)

Professional (Council of Supply Chain Management Professionals)

Education Committee Member -Lehigh Valley Roundtable (2015-onwards)
President – Lehigh Valley Roundtable (2012-2015)
Education Conference Chair (2010 – 2011)
Education Strategies Committee Member (2007 – 3-year term)
Case Editor (3-year term)
President – Dallas Roundtable (2007-2008)
Vice President – Dallas Roundtable (2006-2007)
Education chair – Dallas Roundtable (2004-2006)
Member (1999 – onwards)

External Service

Rockefeller Group – Expert Service Consulting (Jan 2020)

# Exhibit C.I - First Prong - Substantial Merit and National Importance

RDLP Software LLC

# BUSINESS PLAN



## 2026



**Name**: Rillian Diello Lucas Pires
**Phone**: +55 (67) 99946-2784
**E-mail**: rilliansf@gmail.com
**Position**: Founder & Chief Technology Officer (CTO)

Prepared by:
Nextus Plan

RDLP Software LLC

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# 1.0 Executive Summary

RDLP Software LLC will be established by Mr. Rillian Diello Lucas Pires as a technology-driven HealthTech company focused on the research, development, and commercialization of artificial intelligence-powered preventive health systems across the United States. The company will be headquartered in Austin, Texas, one of the nation's leading innovation ecosystems for technology startups, digital health ventures, and high-skilled technical workforce development.

The company's core mission is to enhance preventive healthcare, reduce exercise-related injuries, and expand access to safe and intelligent physical training solutions through proprietary artificial intelligence and computer vision technologies.

At its initial stage, RDLP Software LLC will focus on the development of a proprietary digital platform designed to perform real-time biomechanical analysis using smartphone-based computer vision systems. While the concept builds upon existing advancements in artificial intelligence and motion analysis, the integrated solution proposed by the company, combining real-time movement correction, adaptive training protocols, and preventive health analytics into a unified mobile platform is not currently available as a fully integrated product in the market and will be developed under the technical leadership of the founder.

The development of this platform will follow a structured roadmap, including system architecture design, artificial intelligence model training, validation processes, and phased deployment, ensuring both technical feasibility and controlled market entry.

The company will operate under a Software-as-a-Service (SaaS) model and deliver four primary service lines:

• **AI-Powered Biomechanical Analysis Subscription (B2C)** – A mobile-based subscription platform that will provide users with real-time movement correction, adaptive training recommendations, and injury prevention alerts through AI-based motion analysis.

• **Professional Digital Health Management Platform (B2B)** – A subscription-based system designed for certified personal trainers and health professionals, offering AI-assisted exercise prescription tools, remote monitoring dashboards, and data-driven protocol customization for individual clients and special populations.

• **Special Population Preventive Care Licensing (Institutional)** – A structured digital solution for clinics, rehabilitation centers, and wellness programs, including access to a web-based dashboard, AI-generated movement analysis reports, customized preventive exercise protocols for specific populations (such as elderly individuals and patients with chronic conditions), and analytics to support clinical decision-making and preventive care strategies.

• **Corporate & Institutional Wellness Integration (Enterprise SaaS)** – Enterprise-level solutions providing workforce wellness monitoring, injury risk analytics, performance tracking, and data-driven insights to support corporate health initiatives and reduce absenteeism.

Through these service lines, RDLP Software LLC will operate at the intersection of digital health, artificial intelligence, and preventive medicine, contributing to improved public health outcomes, enhanced productivity, and reduced healthcare costs.

**Founder Background**

Mr. Rillian Diello Lucas Pires holds a Master's degree in Computer Science from the Federal University of Mato Grosso do Sul and has over ten years of professional experience in software engineering, system architecture, and large-scale digital platform development. His academic research focused on computer vision and image-based pattern recognition, directly supporting the development of motion analysis systems required for the proposed platform.

Professionally, Mr. Pires has served as a Senior Software Engineer for U.S.-based companies, contributing to the design and development of scalable backend systems, RESTful APIs, distributed architectures, and cloud-based infrastructures. His expertise includes full-stack engineering, AI-ready system architecture, asynchronous processing models, and performance optimization for high-availability digital platforms.

As Founder and Chief Technology Officer, Mr. Pires will be directly responsible for leading the development of the platform, including the design of proprietary computer vision models optimized for mobile devices, ensuring efficient real-time biomechanical analysis while maintaining data security, scalability, and regulatory compliance. His combined academic background in computer vision and extensive professional experience in software engineering and scalable systems provide a strong technical foundation to successfully develop and implement the proposed solution.

**National Impact and Economic Relevance**

Musculoskeletal injuries, chronic diseases such as diabetes, and fall-related incidents among elderly individuals represent significant public health and economic burdens in the United States.[1] Many exercise-related injuries stem from improper movement execution, lack of supervision, or limited access to professional guidance, particularly in underserved or rural communities.

RDLP Software LLC addresses these challenges by leveraging artificial intelligence to democratize access to biomechanical guidance and preventive care. By transforming smartphones into AI-powered physical training assistants, the company reduces dependency on constant in-person supervision while maintaining high safety standards.

The company's services are designed to:

- Reduce exercise-related injuries and associated healthcare costs
- Support chronic disease management through adaptive physical activity protocols
- Enhance elderly fall-prevention efforts
- Increase productivity by improving workforce health and reducing absenteeism
- Expand access to safe training solutions in underserved areas

From an economic perspective, the company projects scalable growth over a five-year period, with diversified revenue streams across individual, professional, institutional, and enterprise markets. As the company expands, it anticipates the creation of 18 high-skilled positions in

[1] https://www.cdc.gov/still-going-strong/about/common-injuries-as-we-age.html

engineering, AI development, product design, sales, marketing, and administrative operations, contributing to local employment in Texas while serving clients nationwide.

**Alignment with U.S. National Priorities**

RDLP Software LLC aligns with several U.S. national priorities, including:

• Advancement of artificial intelligence applications in healthcare[2]

• Strengthening preventive healthcare infrastructure[3]

• Reducing long-term healthcare expenditures through early intervention[4]

• Supporting digital health innovation ecosystems[5]

• Expanding high-skilled domestic job creation in AI and software engineering[6]

• Promoting scalable, technology-driven solutions for aging and chronic disease populations[7]

Operating from Austin with a technology-first and remote-enabled service model, RDLP Software LLC will serve clients across the United States while building proprietary AI systems that enhance the resilience and modernization of the nation's digital health infrastructure.

Through its integration of computer vision, preventive health science, and scalable SaaS architecture, RDLP Software LLC is positioned to contribute meaningfully to the future of AI-enabled healthcare innovation in the United States.

## 1.1 Nature and Scope of the Business

RDLP Software LLC will operate as a technology-driven HealthTech company focused on the development and commercialization of artificial intelligence and computer vision solutions designed to enhance preventive healthcare, improve exercise safety, and reduce injury-related risks across the United States. The company's scope includes the research, development, deployment, and continuous refinement of proprietary digital health platforms that combine real-time biomechanical analysis, adaptive training systems, and scalable cloud-based infrastructure.

The company will serve individual consumers, certified health and fitness professionals, rehabilitation centers, wellness institutions, and corporate clients that seek structured, technology-enabled preventive health solutions. RDLP Software LLC's activities will focus on practical implementation and measurable outcomes, enabling users and partner institutions to reduce exercise-related injuries, improve movement accuracy, enhance chronic condition management, and strengthen workforce health performance.

[2] https://www.congress.gov/crs-product/R48319
[3] https://www.cdc.gov/infrastructure-phig/about/index.html
[4] https://www.goldstarrehab.com/parent-resources/the-benefits-of-early-intervention-in-mitigating-long-term-care-costs
[5] https://www.wolterskluwer.com/en/expert-insights/shaping-the-digital-health-ecosystem-the-commercial-role-in-innovation
[6] https://www.bls.gov/opub/mlr/2025/article/incorporating-ai-impacts-in-bls-employment-projections.htm
[7] https://link.springer.com/article/10.1186/s12982-025-01066-8

Services will be delivered through a mobile-first and cloud-based operating model, supported by smartphone applications, wearable integration, and browser-based professional dashboards. This structure allows nationwide scalability without geographic limitations while maintaining centralized technical development and data governance standards.

Projects and system development will follow structured methodologies emphasizing artificial intelligence model optimization, real-time computer vision processing, secure cloud deployment, data privacy compliance, continuous performance validation, and scalable SaaS architecture.

**Core Business Activities**

1. **AI-Powered Biomechanical Analysis Subscription**

RDLP Software LLC will provide a subscription-based mobile platform that utilizes artificial intelligence and computer vision to analyze user movement in real time. The system will detect posture deviations, joint misalignment, improper range of motion, and compensatory patterns, generating automated corrective feedback and adaptive training recommendations.

This service will be offered at an average price of approximately $35.00 per month per individual user. The pricing methodology is based on comparative benchmarking against digital fitness subscription platforms in the U.S. market, adjusted to reflect the added value of proprietary AI-driven biomechanical analysis and real-time corrective capabilities.

2. **Professional Digital Health Management Platform**

The company will offer a subscription-based platform tailored for certified personal trainers and health professionals. The system will include AI-assisted exercise prescription tools, remote monitoring dashboards, protocol customization for high-risk populations, and automated exercise substitution recommendations based on biomechanical risk detection.

This service will be offered at an average price of approximately $120.00 per month per professional user. The pricing methodology reflects market analysis of professional fitness management platforms, enhanced by the inclusion of advanced AI analytics, multi-client monitoring features, and adaptive preventive health protocols.

3. **Special Population Preventive Care Licensing**

RDLP Software LLC will provide a structured digital solution to rehabilitation centers, clinics, wellness facilities, and fitness establishments through the licensing of AI-supported preventive health protocols. These protocols will be specifically designed for elderly individuals, diabetic patients, and individuals with musculoskeletal vulnerabilities. The system will include real-time biomechanical monitoring, adaptive exercise intensity adjustments based on individual performance, and AI-driven fall-risk detection, which analyzes balance, posture, joint alignment, and movement stability to identify patterns associated with increased risk of falls and generate corrective recommendations.

This service will be offered at an average annual licensing fee of approximately $15,000.00 per institutional client. The pricing methodology is based on institutional software licensing standards within the digital health sector, taking into account implementation support, ongoing

system updates, and the clinical value associated with injury risk reduction and preventive analytics.

**4. Corporate and Institutional Wellness Integration**

The company will provide enterprise-level preventive health solutions for corporations and institutional partners seeking to implement structured workforce wellness and injury prevention programs. This service will include workforce health analytics, injury risk reduction tools, engagement monitoring, and performance reporting designed to reduce absenteeism and improve productivity.

This service will be offered at an average annual contract value of approximately $40,000.00 per enterprise client. The pricing methodology reflects enterprise SaaS standards for workforce wellness programs and digital health analytics platforms, structured to accommodate scalability based on employee population size and customization requirements.

**Pricing Methodology and Revenue Structure**

The company's pricing model is structured under a diversified Software as a Service framework combining individual monthly subscriptions and annual institutional licensing agreements. Pricing has been determined through comparative market analysis, value-based positioning, and projected cost structure evaluation, ensuring competitiveness while maintaining sustainable gross margins.

The tiered structure allows RDLP Software LLC to generate predictable recurring revenue while serving multiple market segments, including individual consumers, professional service providers, healthcare-related institutions, and corporate clients.

Through these activities, RDLP Software LLC will contribute to strengthening preventive healthcare infrastructure, expanding access to AI-enabled biomechanical monitoring, and supporting scalable innovation in digital health systems throughout the United States. The company's focus on structured implementation, measurable outcomes, and scalable artificial intelligence solutions positions it to generate both economic value and broader public health benefits.

## 1.2 Mr. Rillian Diello Lucas Pires' Expertise

Mr. Rillian Diello Lucas Pires is a highly qualified software engineer and computer scientist with over a decade of professional experience in full-stack software development, system architecture, artificial intelligence foundations, and large-scale digital platform engineering. His academic background, international professional exposure, and hands-on experience in mission-critical systems position him uniquely to lead the development of AI-driven preventive health technologies in the United States.

**Academic Foundation**

Mr. Pires holds a Master's Degree in Computer Science from the Federal University of Mato Grosso do Sul, Brazil. His graduate research was conducted within the Computer Vision Laboratory under the supervision of Dr. Wesley Nunes Gonçalves. His thesis, titled "Recognition of Soybean Crop Diseases Using Locally Aggregated Vectors and Lightweight Assignments,"

focused on improving computer vision algorithms for automated image-based disease detection.

His research concentrated on advanced feature extraction techniques and image representation models, including Bag of Visual Words and VLAD methodologies, with emphasis on lightweight computational structures capable of maintaining high classification accuracy. This research resulted in peer-reviewed publication in the international journal Computers and Electronics in Agriculture, demonstrating both academic rigor and applied machine learning capability.

At the undergraduate level, Mr. Pires earned a Bachelor's Degree in Computer Science, where his thesis addressed image segmentation techniques within the field of artificial intelligence. His academic work involved object detection, image classification, and computational pattern recognition, forming the technical foundation for his later application of visual processing systems.

This academic specialization in computer vision and pattern recognition is directly aligned with the technological core of RDLP Software LLC, which relies on real-time biomechanical movement analysis using AI and image-based models.

**Professional Experience**

Since 2014, Mr. Pires has built a progressive career across diverse industries, including government systems, telecommunications, cultural institutions, enterprise software, digital publishing, pharmaceutical platforms, and health and wellness technology. His experience spans backend engineering, frontend architecture, API design, distributed systems, cloud deployment, asynchronous processing models, and performance optimization.

He began his career working on government-focused systems using C# and .NET, contributing to payroll and tax systems for state-level operations. This early experience provided foundational expertise in structured development methodologies, database architecture using SQL Server, and high-reliability system environments.

In subsequent roles, he expanded into large-scale telecom and enterprise platforms, working with major clients such as Vivo and Claro. During this period, he developed scalable backend solutions using PHP, Laravel, Node.js, and relational and NoSQL databases including MySQL and MongoDB. He implemented containerized environments using Docker and integrated Redis-based asynchronous workflows, improving performance and system scalability.

**Experience with International and U.S.-Based Companies**

Mr. Pires has significant experience working with U.S.-based companies and international clients. As a Full Stack Software Engineer at Favish, based in Austin, Texas, he contributed to high-traffic digital platforms such as Columbia Business School Executive Education and ZeroHedge. In this role, he worked extensively with Drupal, Node.js, GCP cloud infrastructure, Stripe-based payment workflows, and secure authentication systems using Firebase and JWT.

At Appnovation, he contributed to large-scale platforms for internationally recognized organizations including the Council on Foreign Relations. His responsibilities included custom module development, REST and GraphQL API design, secure access control implementation, and frontend development using React, Next.js, and TypeScript.

At CI&T, he participated in enterprise-level projects for multinational clients, including a major U.S.-based pharmaceutical company. He contributed to the migration of a large-scale Drupal platform and worked within cross-functional teams exceeding 20 engineers, adhering to structured version control, CI/CD pipelines, and enterprise delivery standards.

Currently, as a Senior Software Engineer at Swoogo in Los Angeles, California, Mr. Pires leads backend system development using PHP and PostgreSQL while conducting code reviews and quality assurance processes to maintain high engineering standards.

**Experience in Health and Wellness Technology**

Mr. Pires also worked on the StrongerU project through ALTO, a health and wellness company focused on lifestyle transformation through coaching and structured physical activity. In this role, he designed and maintained backend services and RESTful APIs using Laravel, Symfony, and Slim, while modernizing system architecture by migrating synchronous workflows into asynchronous queue-based models using Redis.

This experience is particularly relevant to RDLP Software LLC's proposed health technology platform, as it involved performance optimization, scalability improvements, and the development of digital systems supporting health-related services.

**Technical Leadership and Engineering Standards**

Throughout his career, Mr. Pires has demonstrated strong technical leadership by actively contributing to critical engineering decisions and guiding development standards across multidisciplinary teams. Beyond individual feature development, he has played a key role in architectural planning, system design discussions, and the establishment of best practices to ensure scalability, performance, and maintainability of complex software systems.

He has been responsible for conducting code reviews, mentoring team members, and ensuring adherence to high-quality engineering standards, contributing to consistent and reliable software delivery. His involvement in estimation processes, technical documentation, and workflow optimization has supported efficient project execution and alignment between technical and business objectives.

Mr. Pires has also participated in the adoption and implementation of Agile methodologies and DevOps practices, collaborating with cross-functional teams to improve development cycles, automate deployment pipelines, and enhance system reliability. His experience with cloud-native architectures on AWS and Google Cloud Platform, combined with CI/CD pipeline implementation, positions him to lead the development of scalable, secure, and high-performance digital platforms.

His technical expertise includes:

- Backend engineering using PHP, Laravel, Symfony, Yii2, Node.js, and .NET
- Frontend development using React, Next.js, Angular, TypeScript, Vue.js, and JavaScript
- Database management using PostgreSQL, MySQL, MongoDB, and SQL Server
- Cloud infrastructure using AWS and Google Cloud Platform
- Asynchronous processing and queue-based systems using Redis
- API design and integration using REST and GraphQL

- Authentication and security implementation using JWT and Firebase
- Containerization and deployment using Docker

**Publications and Knowledge Dissemination**

In addition to peer-reviewed academic publications, Mr. Pires has authored technical articles related to modern software development frameworks, including TypeScript, MongoDB, automated testing with Jest, and full-stack development with Next.js and Firebase. His ability to translate complex technical concepts into practical implementations demonstrates both technical mastery and communication capability.

He also served as an Information Technology instructor in the PRONATEC/MEDIOTEC technical education program, delivering instruction in programming logic, object-oriented programming, operating systems, and foundational computer science topics. This experience reflects his capacity to mentor and train emerging professionals, which supports the workforce development component of RDLP Software LLC.

**Alignment with the Proposed Endeavor**

Mr. Pires' combined expertise in computer vision, artificial intelligence foundations, scalable software architecture, cloud-based deployment, and health-related digital platforms uniquely positions him to lead the development of AI-powered biomechanical monitoring systems. His academic specialization in image-based pattern recognition directly supports the core technological innovation of the company, while his professional experience ensures the ability to implement robust, secure, and scalable systems suitable for nationwide deployment.

His technical depth, international project exposure, leadership in engineering practices, and experience in digital health platforms demonstrate that he is exceptionally well-positioned to advance the mission of RDLP Software LLC and contribute to innovation in preventive digital health infrastructure within the United States.

## 2.0 The Company

RDLP Software LLC will operate from Austin, Texas, as a technology-driven HealthTech company focused on developing and deploying artificial intelligence and computer vision systems designed to enhance preventive healthcare, improve exercise safety, and reduce injury-related risks across the United States. The company's mission is to deliver scalable, AI-powered biomechanical analysis solutions and preventive digital health platforms that support individuals, health professionals, institutions, and corporate clients.

RDLP Software LLC will be structured to support multi-segment service delivery through a multidisciplinary team that integrates advanced software engineering, artificial intelligence development, clinical expertise, business development, and operational management. The organizational structure is designed to scale progressively as user adoption and institutional partnerships expand, while maintaining high standards of technical reliability, clinical validation, and operational efficiency.

## Operational Team Structure

To support its service offerings and long-term growth strategy, RDLP Software LLC plans to employ the following professionals during its initial and expansion phases:

- **1 Founder and Chief Technology Officer (CTO) – Mr. Rillian Diello Lucas Pires**: Responsible for executive leadership, technical architecture, artificial intelligence model development, computer vision implementation, system scalability, and overall product innovation strategy.
- **1 Software Engineer (Full-time)**: Responsible for full-stack platform development, feature implementation, backend services maintenance, and support of continuous product improvements.
- **1 Backend Engineer**: Responsible for server-side architecture, database management, API development, and performance optimization of cloud-based infrastructure.
- **1 Mobile Engineer**: Responsible for development and maintenance of mobile applications, integration of computer vision functionalities, and optimization of real-time processing on mobile devices.
- **1 AI and Computer Vision Engineer**: Responsible for designing, training, optimizing, and maintaining proprietary biomechanical analysis models, ensuring efficient real-time movement detection and adaptive feedback systems.
- **3 Clinical Consultants**: Responsible for validating exercise protocols, ensuring alignment with preventive healthcare guidelines, supporting system testing for high-risk populations, and advising on clinical safety considerations.
- **2 Clinical Protocol Specialists**: Responsible for designing structured preventive health programs tailored to elderly individuals, diabetic patients, and individuals with musculoskeletal vulnerabilities, ensuring evidence-based methodology within the platform.
- **3 Account Executives**: Responsible for client acquisition, institutional licensing agreements, professional platform subscriptions, and corporate partnership development.
- **1 Sales Manager**: Responsible for overseeing revenue strategy, supervising account executives, developing sales pipelines, and managing strategic growth initiatives.
- **1 Marketing Specialist**: Responsible for brand positioning, digital marketing strategy, content development, lead generation, and user acquisition campaigns.
- **2 Customer Success Professionals**: Responsible for onboarding new users and institutional clients, ensuring service adoption, managing client engagement, and supporting long-term retention.
- **1 Administrative and Finance Coordinator**: Responsible for financial tracking, compliance coordination, operational documentation, vendor management, and internal administrative processes.

## Organizational Purpose and Market Role

Each role within RDLP Software LLC's organizational structure is designed to support the development, validation, and national deployment of AI-powered preventive health solutions. The company's operational model enables simultaneous management of individual subscriptions, professional platforms, institutional licensing agreements, and enterprise wellness contracts while maintaining structured processes, technical consistency, and clinical oversight.

By combining advanced artificial intelligence engineering, computer vision expertise, clinical validation, structured sales operations, and scalable SaaS infrastructure, RDLP Software LLC addresses a critical and growing market need: expanding access to technology-enabled preventive healthcare solutions that reduce injury risk, improve movement safety, and support long-term health outcomes.

Through this structure, the company will contribute to job creation in high-skilled technical and health-related roles, promote innovation in AI-driven digital health systems, strengthen preventive healthcare access, and enhance productivity and workforce well-being within the United States.

## 2.1 Company's Targets

RDLP Software LLC will focus on developing and delivering AI-powered preventive digital health solutions that improve exercise safety, reduce injury risks, and enhance access to structured biomechanical guidance across the United States. The company's primary objective is to reduce the gap between exercise prescription and safe execution by providing real-time biomechanical analysis and adaptive training systems powered by artificial intelligence and computer vision.

By offering scalable Software as a Service solutions across individual, professional, institutional, and enterprise segments, RDLP Software LLC will support preventive healthcare initiatives, improve chronic disease management outcomes, and strengthen workforce wellness programs nationwide.

**Primary Market Focus**

**1. Individual Users Seeking Safe and Structured Physical Training**

A significant portion of the U.S. population engages in physical activity without direct supervision, increasing the likelihood of improper execution, musculoskeletal injuries, and ineffective training outcomes. Many individuals lack access to personalized guidance due to cost, geographic barriers, or limited availability of qualified professionals.

RDLP Software LLC will target individual users through its AI-Powered Biomechanical Analysis Subscription, offering real-time corrective feedback, adaptive training recommendations, and injury risk detection. This service provides accessible, technology-enabled preventive support that enhances safety while maintaining affordability.

**Secondary Market Focus**

**2. Personal Trainers and Health Professionals**

Certified trainers and health professionals increasingly rely on digital platforms to manage clients, deliver remote coaching, and monitor performance. However, most existing systems focus on administrative tracking rather than clinical-grade movement validation.

RDLP Software LLC will serve this segment through its Professional Digital Health Management Platform, providing AI-assisted exercise prescription tools, remote monitoring dashboards, and structured preventive protocols for high-risk populations. This service enables professionals to scale their operations while maintaining technical precision and clinical safety.

**3. Rehabilitation Centers, Clinics, and Wellness Institutions**

Healthcare-related institutions face growing demand for structured preventive exercise programs, particularly for elderly individuals, diabetic patients, and individuals with musculoskeletal vulnerabilities. Many facilities lack scalable digital tools capable of monitoring movement quality and adjusting intensity based on risk indicators.

RDLP Software LLC will address this need through its Special Population Preventive Care Licensing model, offering institutional access to AI-driven preventive protocols that support structured rehabilitation and fall-prevention programs.

**4. Corporations and Institutional Partners**

Employers increasingly recognize the economic impact of injury-related absenteeism, chronic health conditions, and reduced workforce productivity. Corporate wellness programs often lack measurable analytics and structured preventive mechanisms.

Through its Corporate and Institutional Wellness Integration service, RDLP Software LLC will support enterprise clients with injury risk analytics, workforce wellness monitoring, and structured performance reporting designed to improve employee health outcomes and productivity.

**Long-Term Strategy and Vision**

RDLP Software LLC aims to establish itself as a nationally recognized provider of AI-driven preventive digital health systems. Over the long term, the company intends to:

- Expand subscription adoption across multiple U.S. regions
- Strengthen institutional partnerships in healthcare and wellness sectors
- Continuously refine proprietary computer vision and biomechanical analysis models
- Scale its technical and clinical workforce to support nationwide demand

Through this strategy, RDLP Software LLC will contribute to improved preventive healthcare access, reduced injury-related costs, strengthened workforce health, and innovation in AI-enabled digital health infrastructure across the United States.

## 2.2 Need for the Company's Services

As preventive healthcare becomes increasingly important in the United States, gaps remain between exercise prescription and safe execution. While individuals are encouraged to adopt healthier lifestyles, many lack access to structured biomechanical supervision. This gap contributes to exercise-related injuries, inefficient training outcomes, and avoidable healthcare costs.

Under the leadership of Mr. Rillian Diello Lucas Pires, RDLP Software LLC is structured to address these challenges by providing scalable artificial intelligence solutions that enable real-time movement validation and adaptive preventive training.

**1. Limited Access to Real-Time Biomechanical Supervision:** Many individuals perform exercises without proper form due to lack of supervision.[8] Incorrect movement patterns increase the risk of joint strain, muscle injury, and long-term musculoskeletal complications.

RDLP Software LLC addresses this need through AI-powered computer vision systems that detect posture deviations, joint misalignment, and compensatory movements in real time, providing automated corrective guidance.

**2. Growing Preventive Healthcare Demands for Special Populations:** Elderly individuals, diabetic patients, and individuals with chronic conditions require structured exercise programs tailored to their physical limitations.[9] However, scalable digital tools capable of adapting intensity and monitoring movement quality are limited.

RDLP Software LLC meets this need by offering preventive care licensing solutions that integrate fall-prevention analytics, adaptive intensity control, and evidence-based training protocols for high-risk populations.

**3. Workforce Health and Productivity Challenges:** Injury-related absenteeism and chronic health conditions reduce workforce productivity and increase employer healthcare costs.[10] Many corporate wellness programs focus on participation metrics rather than measurable injury prevention.

RDLP Software LLC supports employers through structured wellness integration systems that provide injury risk analytics and engagement monitoring, helping organizations implement measurable preventive health strategies.

**4. Scalability Gaps in Digital Fitness Platforms:** Most digital fitness platforms focus on scheduling, content delivery, or tracking metrics without offering clinically informed biomechanical validation.

RDLP Software LLC differentiates itself by embedding artificial intelligence directly into the execution phase of exercise, creating a preventive feedback loop that enhances safety and long-term effectiveness.

**Meeting the Demand for AI-Driven Preventive Health Systems**

To address these needs, RDLP Software LLC will provide:

- AI-powered real-time biomechanical correction systems
- Professional digital health management tools
- Institutional preventive care licensing solutions
- Corporate wellness integration with injury risk analytics
- Continuous refinement of proprietary AI models for scalable deployment

[8] https://burnsfit.com/performing-exercises-without-proper-supervision/
[9] https://www.nia.nih.gov/health/exercise-and-physical-activity/exercising-chronic-conditions
[10] https://www.ibiweb.org/resources/chronic-conditions-in-the-us-workforce-prevalence-trends-and-productivity-impacts

By addressing these market demands, RDLP Software LLC positions itself as a technology-driven contributor to preventive healthcare modernization, supporting both public health outcomes and economic productivity within the United States.

## 2.3 Company's Expansion

Austin provides a strong foundation for growth due to its established technology ecosystem, access to engineering talent, and innovation-oriented business environment. From this base, RDLP Software LLC will expand through a phased strategy focused on service depth, geographic reach, workforce development, and technological refinement.

**1. Service Expansion**

RDLP Software LLC will initially focus on its four core service lines: individual biomechanical analysis subscriptions, professional digital health platforms, institutional preventive care licensing, and corporate wellness integration. As adoption increases, the company will expand its AI model capabilities, incorporate additional movement datasets, refine adaptive training algorithms, and enhance analytics reporting features.

This expansion will deepen the technological sophistication of the platform while preserving its preventive health focus.

**2. Geographic Expansion**

Following initial market penetration in Texas, RDLP Software LLC will expand nationwide through a remote-enabled SaaS delivery model. Geographic growth will prioritize regions with strong adoption of digital health solutions and high concentrations of corporate wellness programs, healthcare facilities, and fitness professionals.

Expansion will be driven primarily by user adoption and institutional partnerships rather than physical office expansion, ensuring operational efficiency and cost control.

**3. Team Growth**

To support expansion, RDLP Software LLC will progressively increase its workforce across engineering, artificial intelligence development, clinical validation, sales, marketing, customer success, and administrative functions. The company's hiring strategy emphasizes building a multidisciplinary team that integrates technical innovation with clinical oversight and structured client engagement.

Projected growth includes expansion of engineering roles, additional clinical specialists, account executives, and customer success professionals to sustain scalable national operations.

**4. Strategic Partnerships**

RDLP Software LLC will pursue partnerships with fitness organizations, healthcare providers, wearable technology companies, and corporate wellness networks that complement its AI-driven preventive platform. These collaborations will enhance integration capabilities, expand distribution channels, and support clinical validation initiatives.

**5. Continuous Technical Advancement**

As part of its expansion strategy, RDLP Software LLC will invest in ongoing artificial intelligence research, refinement of computer vision models, dataset expansion, performance optimization for mobile devices, and secure cloud architecture improvements.

This commitment to continuous innovation ensures long-term competitiveness and alignment with evolving digital health standards.

**Long-Term Growth Outlook**

Through this structured expansion strategy, RDLP Software LLC aims to become a nationally recognized provider of AI-enabled preventive health systems. Under the leadership of Mr. Rillian Diello Lucas Pires, the company will continue to advance scalable digital health innovation, create high-skilled employment opportunities, and contribute to preventive healthcare modernization across the United States.

## 2.4 Company's Economic Benefits

RDLP Software LLC is projected to generate measurable and sustained economic benefits through revenue growth, high-skilled job creation, and tax contributions over its first five years of operations. The company's financial projections reflect a scalable Software as a Service model supported by increasing demand for artificial intelligence-driven preventive health solutions across individual, professional, institutional, and corporate markets within the United States.

**Revenue Growth and Profitability**

During Year One, RDLP Software LLC is projected to generate approximately $566,750 in total sales, reflecting initial market entry, early subscription adoption, and the launch of institutional and enterprise contracts. As the company expands its user base, strengthens institutional partnerships, and scales its technical workforce, annual sales are projected to increase steadily, reaching approximately $2,995,102 by Year Five.

Gross margin is projected to grow from approximately $521,410 in Year One to $2,755,494 by Year Five. This margin profile reflects the operational leverage inherent in a SaaS-based digital health platform, where incremental user growth increases revenue without proportional increases in fixed costs. The high gross margin structure supports continuous reinvestment in artificial intelligence development, clinical validation, cloud infrastructure, and workforce expansion.

Net profit is projected to increase from approximately $65,532 in Year One to $349,411 by Year Five. This growth trajectory demonstrates the company's ability to scale profitably while investing in engineering, clinical expertise, sales expansion, and customer support functions. Sustained profitability strengthens long-term financial stability and reduces dependency on external capital sources.

**Job Creation and Payroll Impact**

As RDLP Software LLC expands its operations, it will progressively increase employment across engineering, artificial intelligence development, clinical protocol validation, business development, customer success, marketing, and administrative functions. The company's

projected team structure includes specialized roles such as AI and Computer Vision Engineers, Backend and Mobile Engineers, Clinical Consultants, Clinical Protocol Specialists, Account Executives, Sales Management, and Customer Success professionals.

Payroll tax contributions are projected to grow from approximately $32,240 in Year One to $192,593 by Year Five, reflecting the structured expansion of high-skilled employment positions within the United States.

**Tax Contributions and Fiscal Impact**

In addition to payroll-related taxes, RDLP Software LLC is projected to generate increasing federal and state tax revenues as profitability grows. Federal and state income tax contributions are estimated to rise from approximately $24,238 in Year One to $129,234 by Year Five.

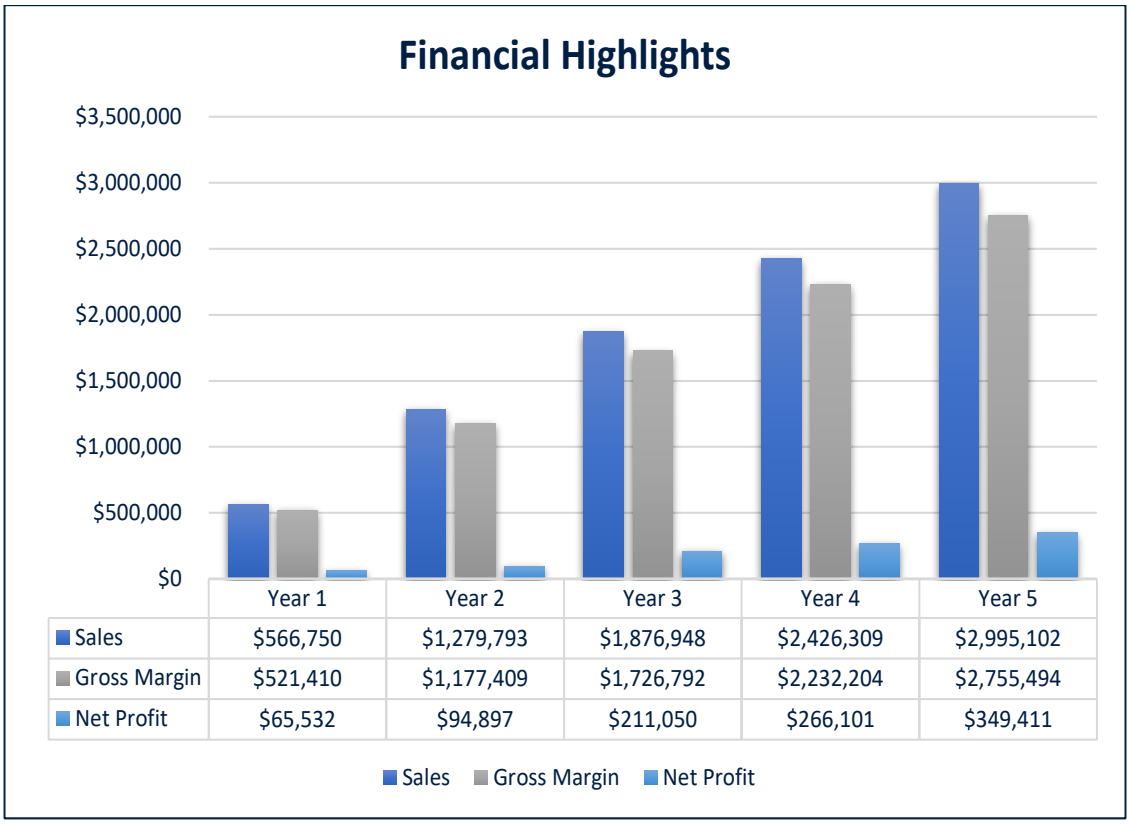
Over the five-year projection period, total tax contributions, including federal and state income taxes and payroll taxes, are estimated to reach approximately $955,336, broken down as follows:

- Federal and State Taxes (5-Year Total): $365,051
- Payroll Taxes (5-Year Total): $590,285
- Total Estimated Tax Contributions: $955,336

These tax payments contribute to public healthcare programs, workforce development initiatives, and infrastructure funding at both federal and state levels, reinforcing the company's measurable fiscal impact on the U.S. economy.

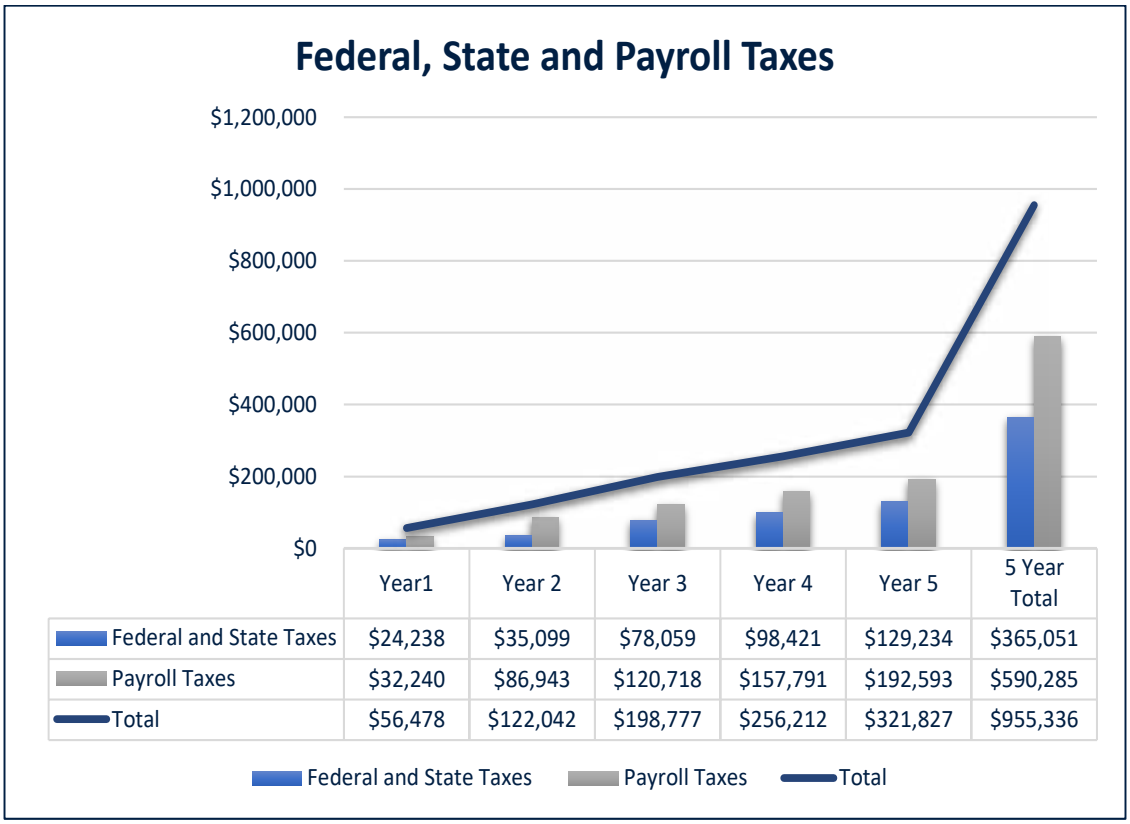
Through sustained revenue growth, high-skilled job creation, and substantial tax contributions, RDLP Software LLC demonstrates both economic viability and broader national benefit consistent with the advancement of preventive digital health infrastructure.

### 2.4.1 Financial Highlights Chart




| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|---|---|---|---|---|---|
| Sales | $566,750 | $1,279,793 | $1,876,948 | $2,426,309 | $2,995,102 |
| Gross Margin | $521,410 | $1,177,409 | $1,726,792 | $2,232,204 | $2,755,494 |
| Net Profit | $65,532 | $94,897 | $211,050 | $266,101 | $349,411 |

### 2.4.2 Federal, State and Payroll Taxes Chart




| | Year1 | Year 2 | Year 3 | Year 4 | Year 5 | 5 Year Total |
|---|---|---|---|---|---|---|
| Federal and State Taxes | $24,238 | $35,099 | $78,059 | $98,421 | $129,234 | $365,051 |
| Payroll Taxes | $32,240 | $86,943 | $120,718 | $157,791 | $192,593 | $590,285 |
| Total | $56,478 | $122,042 | $198,777 | $256,212 | $321,827 | $955,336 |

## 2.5 Summary of Investment

RDLP Software LLC has established a structured and capital-efficient startup investment plan to support the launch of its AI-powered preventive digital health platform in the United States. The company will commit a total initial investment of $35,000, covering essential startup expenses and initial working capital required to initiate operations.

This capital structure reflects the efficiency of a technology-based, SaaS-driven operating model that minimizes physical overhead while prioritizing software development, cloud infrastructure readiness, and regulatory compliance.

**Startup Expenses**

Startup expenses are budgeted at $22,000 and allocated to foundational operational and market-entry needs. These expenditures ensure regulatory compliance, technical readiness, and initial brand positioning.

- **Legal fees** $1,500 for company formation, contracts, and compliance
- **Insurance** $500 for baseline business coverage
- **Marketing** $5,000 for branding, digital campaigns, and early user acquisition
- **Rent and deposit** $5,000 for flexible workspace aligned with a hybrid operational model
- **Website design** $2,500 for professional platform presentation and credibility
- **Computers, phones, and tablets** $3,500 for development and operational tools
- **Office furniture** $2,000 to support essential operations
- **Stationery and office supplies** $2,000 for administrative functions

**Total Startup Expenses: $22,000**

**Startup Assets and Working Capital**

In addition to startup expenses, RDLP Software LLC will allocate $13,000 in initial cash reserves as working capital. These funds will support early-stage operational expenses, cloud hosting services, software deployment costs, and short-term administrative needs during the first phase of market entry.

The company does not require inventory, capital-intensive equipment, or large fixed assets at launch, reflecting the scalable and asset-light nature of its SaaS-based HealthTech platform.

**Total Startup Assets: $13,000**

**Total Capital Requirements**

- Total Startup Expenses: $22,000
- Total Startup Assets (Cash): $13,000
- Total Initial Investment: $35,000

**Financial Readiness and Commitment**

This investment plan reflects Mr. Rillian Diello Lucas Pires' direct financial commitment to launching and sustaining RDLP Software LLC. The allocation is intentionally disciplined and aligned with a scalable digital platform model, prioritizing artificial intelligence development, system architecture, and early market penetration while avoiding unnecessary fixed overhead.

### 2.5.1 Startup Requirements Table

| *Startup* | |
|---|---|
| | |
| **Requirements** | |
| | |
| **Startup Expenses** | |
| **Legal** | $1,500 |
| **Insurance** | $500 |
| **Marketing** | $5,000 |
| **Rent/Deposit** | $5,000 |
| **Website design** | $2,500 |
| **Computers/Phones/Tablets** | $3,500 |
| **Office furniture** | $2,000 |
| **Stationery** | $2,000 |
| **Total Startup Expenses** | $22,000 |
| | |
| **Startup Assets** | |
| **Cash Required** | $13,000 |
| **Startup Inventory** | $0 |
| **Other Current Assets** | $0 |
| **Long-term Assets** | $0 |
| **Total Assets** | $13,000 |
| | |
| Total Requirements | **$35,000** |

# 3.0 Company's Services

RDLP Software LLC will provide technology-driven preventive health solutions through a scalable Software as a Service model that integrates artificial intelligence, computer vision, cloud-based architecture, and structured clinical validation. The company's services are designed to enhance exercise safety, reduce injury risks, support high-risk populations, and improve workforce health performance across the United States.

The company will operate through four primary service lines, each targeting a specific segment of the preventive digital health market.

## 1. AI-Powered Biomechanical Analysis Subscription

This service is a mobile-based subscription platform designed for individual users seeking real-time movement correction and structured training support. Using proprietary computer vision models, the system analyzes exercise execution through smartphone cameras and wearable integration, detecting posture deviations, joint misalignment, range-of-motion limitations, and compensatory movement patterns.

The platform generates automated corrective feedback and adaptive training recommendations, allowing users to improve execution quality without requiring continuous in-person supervision. The system also incorporates risk-detection logic to reduce the likelihood of exercise-related injuries.

## 2. Professional Digital Health Management Platform

This service is designed for certified personal trainers and health professionals who require advanced tools for remote client management and preventive protocol implementation. The platform provides AI-assisted exercise prescription tools, real-time monitoring dashboards, adaptive intensity adjustments, and intelligent exercise substitution recommendations.

The system enables professionals to manage multiple clients simultaneously while maintaining clinically informed movement validation. It supports special population protocols tailored for elderly individuals, diabetic patients, and users with musculoskeletal limitations.

## 3. Special Population Preventive Care Licensing

This institutional licensing service provides rehabilitation centers, clinics, wellness facilities, and fitness establishments with a structured digital platform designed to support preventive care programs through AI-assisted movement analysis.

The system enables institutions to monitor patient or participant movements using smartphone or tablet cameras, generating real-time feedback and detailed reports on movement quality, posture, balance, and joint alignment. Based on this analysis, the platform identifies improper movement patterns and potential injury risks, allowing professionals to adjust exercise protocols accordingly.

For example, in a rehabilitation clinic, a physical therapist can assign a set of exercises to a patient recovering from knee surgery. As the patient performs the exercises, the system analyzes movement execution, detects deviations such as improper joint alignment or instability, and provides corrective feedback. The therapist can then review performance reports through a dashboard and adjust the treatment plan based on objective data.

Similarly, in elderly care programs, the platform can assess balance and movement stability during routine exercises, identifying patterns associated with increased risk of falls and generating alerts for preventive intervention.

Institutional clients receive access to:

- A web-based dashboard for monitoring multiple patients or participants simultaneously
- AI-generated reports with movement analysis, risk indicators, and performance tracking
- Customizable exercise protocols tailored to specific populations (e.g., elderly individuals, diabetic patients, post-rehabilitation cases)
- Data-driven insights to support clinical decision-making and preventive care strategies
- Historical performance tracking to measure patient progress over time

This approach allows institutions to implement more consistent, data-driven, and scalable preventive care programs, improving patient outcomes while reducing the risk of injury and long-term healthcare costs..

## 4. Corporate and Institutional Wellness Integration

This enterprise-level service provides corporations and institutional partners with a digital platform designed to support workforce wellness through AI-assisted movement analysis and preventive risk detection.

Employees can perform guided exercises using their smartphones, while the system analyzes posture, movement quality, and stability in real time, providing immediate feedback and identifying patterns associated with injury risks.

For example, in a corporate environment, employees may follow short daily routines to prevent back pain or repetitive strain injuries. The system evaluates execution and provides corrective guidance, while aggregated data is made available to the organization through a management dashboard.

Employers and program managers can access:

• A centralized dashboard with employee engagement and participation metrics

• Reports identifying common risk patterns, such as poor posture or mobility limitations

• Insights to improve workplace wellness programs and reduce injury risks

This service enables organizations to implement preventive health strategies, reducing absenteeism and improving overall productivity.

**Technology Infrastructure and Service Delivery Model**

All services are delivered through a mobile-first, cloud-based platform designed for scalability, security, and performance.

The system includes real-time movement analysis using smartphone cameras, secure cloud data management, scalable backend infrastructure, and role-based dashboards for users, professionals, and institutions. Continuous AI model improvement ensures accuracy and system reliability over time.

The SaaS-based model supports recurring revenue and enables nationwide scalability without geographic limitations.

Through these service lines, RDLP Software LLC delivers practical, data-driven solutions at the intersection of artificial intelligence and preventive healthcare.

# 4.0 Industry Overview

RDLP Software LLC will operate within the rapidly expanding Digital Health and Health Technology sector in the United States, with a specific focus on AI-powered preventive care, computer vision applications in human movement analysis, and technology-enabled wellness solutions. This industry sits at the intersection of healthcare, artificial intelligence, fitness technology, and enterprise wellness infrastructure.

**Growth of the Digital Health Market**

The U.S. digital health market has experienced consistent expansion over the past decade, driven by increasing healthcare costs, demand for preventive care solutions, rising adoption of mobile health technologies, and growing consumer awareness regarding long-term health optimization.

Digital health platforms now play a central role in:

- Remote patient monitoring
- Preventive health management
- Chronic disease management
- Telehealth and virtual coaching
- Corporate wellness initiatives
- AI-based diagnostics and risk detection

The shift toward preventive and data-driven healthcare solutions reflects a broader transformation in the healthcare system, moving from reactive treatment models toward proactive risk mitigation and early intervention strategies.

**Artificial Intelligence and Computer Vision in Healthcare**

Artificial intelligence is increasingly integrated into healthcare applications, including diagnostic imaging, predictive analytics, workflow automation, and personalized treatment planning. Computer vision technologies, in particular, have emerged as powerful tools for movement analysis, posture detection, and biomechanical modeling.

AI-driven movement analysis enables:

- Real-time posture correction
- Joint alignment assessment
- Detection of compensatory motion patterns
- Injury risk estimation
- Adaptive training recommendations

These capabilities create new opportunities for scalable preventive care solutions that can be delivered through consumer devices such as smartphones and wearables. The integration of AI into physical training environments represents an emerging sub-sector within HealthTech with strong long-term growth potential.

**Preventive Care and Chronic Disease Management**

Preventive healthcare has become a national priority due to the rising costs associated with chronic diseases such as diabetes, cardiovascular conditions, obesity-related complications, and musculoskeletal disorders. Employers, insurers, and healthcare providers increasingly invest in

preventive wellness programs to reduce long-term medical expenditures and improve population health outcomes.

Musculoskeletal injuries and chronic metabolic conditions generate significant economic burden in the United States due to:

• Increased healthcare utilization

• Lost productivity and absenteeism

• Long-term disability claims

• Reduced workforce participation

Digital platforms that reduce injury risk, improve exercise safety, and support structured monitoring for high-risk populations address an identifiable and growing need within the preventive health ecosystem.

**Corporate Wellness and Institutional Adoption**

Corporate wellness spending has expanded significantly as employers seek measurable methods to improve workforce health, reduce absenteeism, and enhance productivity. Traditional wellness programs often lack measurable performance tracking and injury risk monitoring capabilities.

AI-enabled digital platforms introduce:

• Data-driven engagement analytics

• Structured preventive exercise monitoring

• Workforce-level reporting dashboards

• Injury reduction insights

Institutions such as rehabilitation centers, fitness facilities, and healthcare networks are also integrating digital monitoring tools to improve patient adherence and outcome tracking. This trend creates a strong opportunity for scalable licensing and enterprise contracts within the institutional health sector.

**Market Drivers Supporting RDLP Software LLC**

Several macro-level trends support the long-term viability of RDLP Software LLC's business model:

1. Increased reliance on mobile health applications and wearable technologies
2. Rising demand for remote health and fitness solutions
3. Employer-driven investment in preventive care programs
4. Growing adoption of AI in healthcare and wellness infrastructure
5. National focus on reducing healthcare costs through early intervention

These industry drivers collectively create a favorable environment for technology-enabled preventive health platforms that combine artificial intelligence, computer vision, and scalable cloud architecture.

**Industry Positioning**

RDLP Software LLC will position itself within the preventive AI HealthTech segment, differentiating from traditional fitness applications by emphasizing:

- Real-time biomechanical validation
- Structured clinical protocol integration
- Special population adaptation models
- Enterprise and institutional wellness integration

By operating within a high-growth sector characterized by technological innovation and increasing preventive care demand, RDLP Software LLC aligns its services with structural transformations occurring in healthcare delivery and digital infrastructure modernization across the United States.

## 4.1 Industry Analysis

The industry in which RDLP Software LLC will operate spans digital health technology, artificial intelligence in healthcare, and preventive wellness platforms. This sector has evolved rapidly in recent years as healthcare systems, technology companies, and consumers increasingly adopt digital solutions to improve health outcomes, reduce costs, and enable remote and data-driven care.

**Historical Growth and Market Evolution**

Over the past decade, digital health and related technology markets have expanded significantly from niche applications to mainstream adoption. Digital health platforms, including mobile health applications, telehealth services, wearable devices, and software-enabled healthcare tools, began gaining momentum with advancements in mobile computing and broadband access.

In the United States, the digital health market was estimated to be over $81 billion in 2023, reflecting strong adoption of remote care technologies, mobile health solutions, and healthcare analytics tools.[11] From 2023 onward, the market has continued to expand as consumers and providers increasingly incorporated digital health into routine care pathways, preventive strategies, and chronic disease management. The rapid uptake of smartphones and wearable technologies further accelerated this trend, enabling continuous health monitoring outside traditional clinical settings.

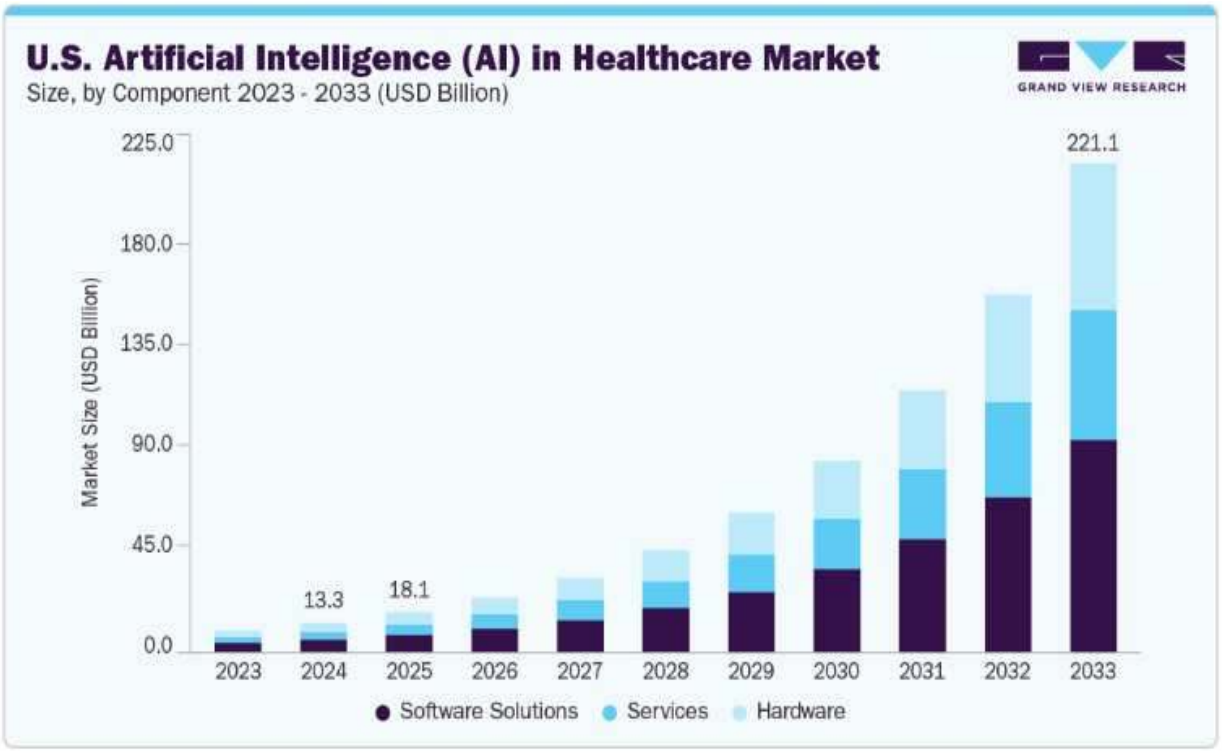
**Current Market Size and Dynamics**

The U.S. digital health market is projected to maintain high growth through the remainder of the decade, with analysts forecasting the market to reach approximately $276.6 billion by 2030. This

[11] https://www.mddionline.com/digital-health/inside-america-s-81b-connected-health-revolution

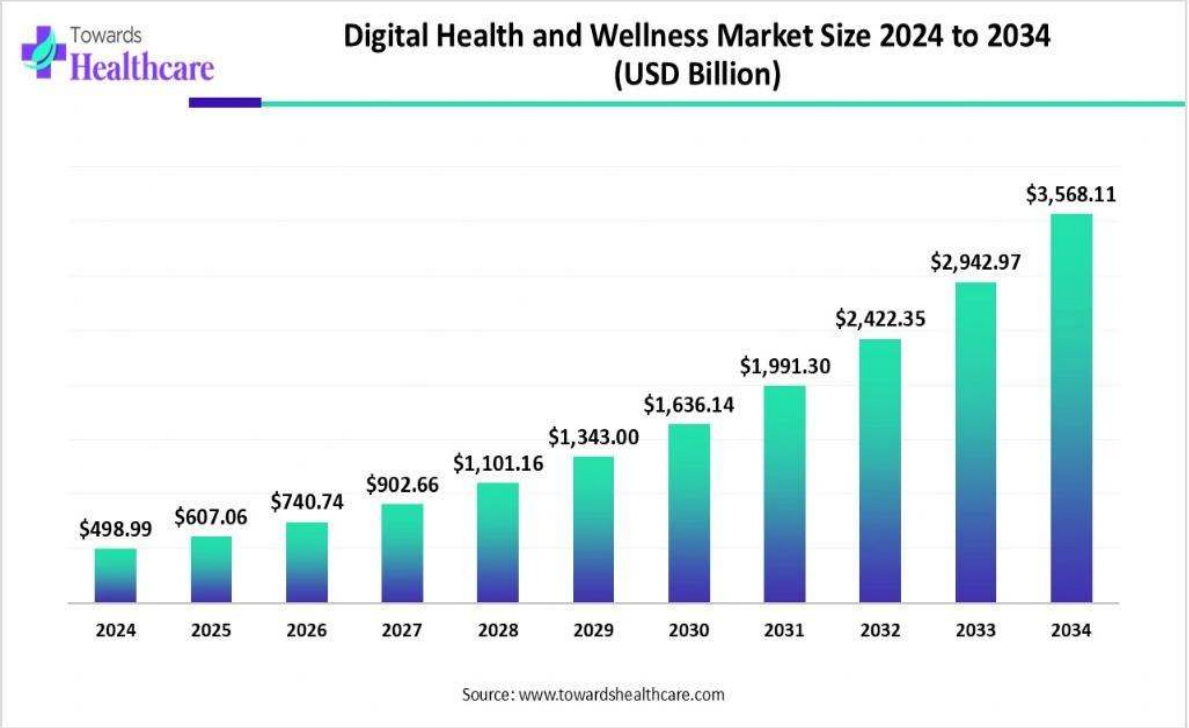
projection reflects strong compound annual growth rates of nearly 20% through the late 2020s, driven by demand for preventive care, remote monitoring, and mobile health solutions.[12]

Within the broader digital health ecosystem, artificial intelligence (AI) represents one of the most rapidly expanding segments. AI applications in healthcare are being adopted across diagnostics, predictive analytics, personalized care, and operational optimization. For example, the U.S. AI in healthcare market, valued at approximately $6 billion in 2024, is projected to grow at an annualized rate of over 35% to reach roughly $43.3 billion by 2030.[13] This growth is supported by rising demand for automation, predictive insights, and large-scale data analytics solutions in health systems and wellness platforms.




Across the global landscape, digital health has grown even more aggressively. Estimates indicate the global digital health and wellness market surpassed $498 billion in 2024 and is expected to exceed $3.5 trillion by 2034, expanding at over a 20% compound annual growth rate.[14] This broader data underscores the significant global opportunity supporting innovation, technology adoption, and investment in this space.

[12] https://www.grandviewresearch.com/press-release/us-digital-health-market-analysis
[13] https://www.grandviewresearch.com/industry-analysis/us-artificial-intelligence-healthcare-market-report
[14] https://www.towardshealthcare.com/insights/digital-health-and-wellness-market-sizing




### Market Drivers and Demand Indicators

Several macro trends support the continued expansion of the digital health, AI, and preventive wellness markets:

• **Rising burden of chronic and lifestyle-related conditions:** Conditions such as diabetes, obesity, and cardiovascular diseases contribute to long-term healthcare costs, leading to increased interest in preventive and remote care strategies.[15]

• **Consumer adoption of mobile and wearable health technologies:** The proliferation of smartphones and wearable sensors has enabled users to engage with health analytics and biometric monitoring outside clinical settings, creating demand for digital preventive tools.[16]

• **Employer and insurer wellness initiatives:** Corporations and payers increasingly invest in wellness platforms that can demonstrate measurable outcomes such as reduced absenteeism and improved employee health.[17]

• **AI adoption in clinical and operational environments:** Healthcare systems are rapidly integrating AI tools to optimize workflows, reduce administrative burden, and support large-scale predictive analytics. AI adoption rates have grown multiple times year-over-year, with healthcare providers leading broader industry adoption.[18]

[15] https://www.cdc.gov/chronic-disease/data-research/facts-stats/index.html
[16] https://link.springer.com/article/10.1186/s13677-025-00759-4
[17] https://wellhub.com/en-us/blog/wellness-and-benefits-programs/best-workplace-wellness-programs/
[18] https://link.springer.com/article/10.1007/s44250-024-00163-w

**Future Outlook and Forecast**

Industry projections indicate that the digital health market will continue to expand substantially over the next decade. In the United States, the market is forecast to more than triple from its 2024 valuation by the early 2030s, driven by increased adoption of remote preventive health tools, personalized digital care, and AI-enabled analytics.

Similarly, the AI in healthcare segment is expected to grow at a significantly higher rate than many legacy healthcare technology markets, with values projected to increase several fold within the next five to ten years. Continued growth in this segment is anticipated due to investments in predictive analytics, automated diagnostics, advanced monitoring systems, and scalable cloud-based solutions.

This sustained expansion reflects broader industry expectations that digital health and AI solutions will become integral components of national health infrastructure, preventive care delivery, and population health management. The consistency of high projected growth supports the strategic positioning of RDLP Software LLC's services in AI-powered preventive health platforms, differentiating the company within this high-growth and transformational market.

## 4.2 Major Market Segmentation

RDLP Software LLC will operate within the broader Digital Health and Artificial Intelligence in Healthcare industry, focusing specifically on AI-driven preventive exercise monitoring, biomechanical analysis, and institutional wellness integration. The company's market can be segmented into four primary categories based on customer profile, purchasing behavior, and service adoption model.

**Individual Consumers – AI Biomechanical Subscription Users**

This segment includes individual fitness practitioners, health-conscious consumers, remote training users, and individuals seeking preventive exercise monitoring through digital platforms.

The U.S. fitness and wellness consumer market represents a substantial opportunity. The health and fitness industry in the United States generates over $35 billion annually in gym and fitness-related revenue, with tens of millions of Americans actively engaged in structured exercise programs.[19] Additionally, mobile fitness applications have experienced rapid adoption, with millions of paid subscribers across major platforms.

Key characteristics of this segment include:

- Individuals aged 18 to 65 engaged in fitness or structured training
- Users of wearable devices and health-tracking applications
- Consumers seeking injury prevention and real-time feedback
- Remote and home-based exercisers

[19] https://www.ibisworld.com/united-states/industry/gym-health-fitness-clubs/1655/

The AI-Powered Biomechanical Analysis Subscription, priced at approximately $35 per month, targets this segment through scalable digital delivery. The subscription-based model aligns with established consumer willingness to pay for digital fitness services while offering differentiated value through real-time AI correction rather than static workout tracking.

This segment represents high-volume scalability and recurring revenue potential.

**Professional Segment – Personal Trainers and Health Professionals**

The second major segment consists of certified personal trainers, strength coaches, rehabilitation professionals, and health consultants who manage multiple clients.

The U.S. personal training industry includes over 300,000 fitness trainers and instructors, according to labor market estimates.[20] Many operate independently or within small studios and increasingly rely on digital tools for remote client management and performance tracking.

Key characteristics of this segment include:

• Certified personal trainers and coaches

• Hybrid in-person and remote professionals

• Rehabilitation-focused trainers

• Specialists serving elderly and special populations

The Professional Digital Health Management Platform, priced at approximately $120 per month, provides this group with AI-assisted exercise prescription tools, remote monitoring dashboards, and automated biomechanical validation features.

This segment offers strong recurring revenue potential with higher average revenue per user compared to individual subscribers, as professionals integrate the platform into their business operations.

**Institutional Preventive Care Segment**

This segment includes:

• Rehabilitation centers

• Senior living facilities

• Specialty clinics

• Wellness centers

• Structured fitness institutions

The U.S. outpatient rehabilitation and physical therapy market generates tens of billions of dollars annually, while senior care and assisted living services represent an even larger and growing segment due to demographic shifts.

[20] https://www.bls.gov/ooh/personal-care-and-service/fitness-trainers-and-instructors.htm

The aging U.S. population significantly expands the preventive care opportunity. By 2030, all Baby Boomers will be over age 65, increasing demand for fall prevention, mobility preservation, and structured monitoring programs.[21]

The Special Population Preventive Care Licensing service, priced at approximately $15,000 per year per institution, is designed for structured implementation in controlled environments where clinical safety and measurable outcomes are critical.[22]

This segment provides stable annual contract revenue and supports long-term client retention through institutional integration.

**Corporate and Enterprise Wellness Segment**

The fourth segment consists of corporations, educational institutions, and enterprise organizations implementing workforce wellness initiatives.

The U.S. corporate wellness market is valued in the tens of billions of dollars annually, with employers investing in preventive programs to reduce healthcare costs, absenteeism, and productivity loss.

Musculoskeletal disorders alone represent one of the leading causes of workplace disability and employer healthcare expenses. Organizations increasingly seek data-driven wellness solutions capable of demonstrating measurable return on investment.

The Corporate and Institutional Wellness Integration service, priced at approximately $40,000 per year per enterprise contract, targets:

• Mid-sized to large employers

• Corporate HR and wellness departments

• Public institutions

• Universities and workforce programs

This segment generates high-value contracts and enhances brand positioning as an AI-driven preventive health technology provider.

**Geographic Scope**

Although initially headquartered in Texas, RDLP Software LLC will operate through a nationwide digital distribution model. The SaaS architecture allows service delivery across all U.S. states without geographic constraints.

The primary early adoption markets are expected to include:

• Texas metropolitan regions

• States with high concentrations of fitness professionals

• States with strong corporate wellness investment

[21] https://www.medsien.com/articles/aging-baby-boomers-and-the-growing-demand-for-senior-care
[22] https://github.com/chinnichaitanya/spellwise/blob/master/examples/data/american-english

• Regions with growing elderly populations

**Revenue Mix Strategy**

The company's segmentation strategy is intentionally diversified across:

• High-volume, lower-ticket subscription users

• Mid-tier professional recurring subscriptions

• Institutional annual licensing

• Enterprise-level wellness contracts

This balanced structure reduces dependency on a single customer segment and strengthens revenue resilience while supporting progressive scaling over the first five years of operations.

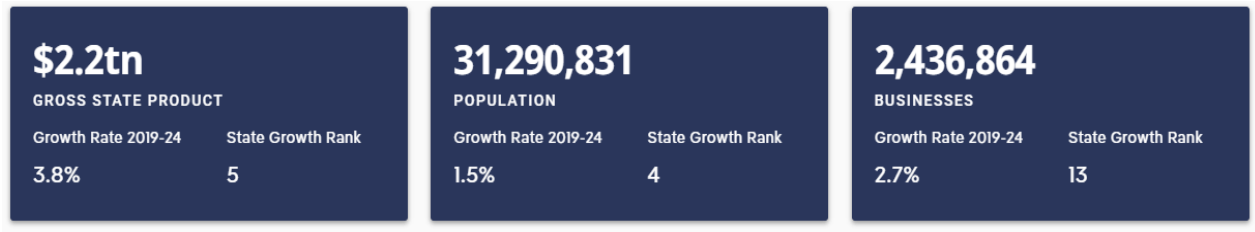
## 4.3 Business Location

RDLP Software LLC will be headquartered in Austin, Texas, one of the most dynamic and rapidly expanding technology ecosystems in the United States. Austin provides a strategic environment for HealthTech innovation, artificial intelligence development, and scalable software-based operations.

**Economic Environment**

Austin is the capital of Texas and one of the fastest-growing metropolitan areas in the country. The Austin–Round Rock–Georgetown metropolitan area has a population exceeding 2.4 million residents and has experienced sustained population growth over the past decade.[23]

Texas is the second-largest state economy in the United States, with a Gross State Product exceeding $2 trillion annually.[24] Austin contributes significantly to this economic output through its concentration of technology companies, startups, research institutions, and venture capital activity.




The region consistently ranks among the top U.S. cities for:

• Technology job growth

• Startup formation

• Venture capital investment

• Innovation and entrepreneurship

[23] https://www.austintexas.gov/news/new-census-data-austin-metro-slips-top-spot-remains-one-nations-fastest-growing-regions

[24] https://www.ibisworld.com/united-states/economic-profiles/texas/

Austin's business-friendly tax structure, including the absence of a state personal income tax, creates an advantageous financial environment for both founders and skilled professionals.

**Technology and Innovation Ecosystem**

Austin has earned national recognition as a major technology hub, often referred to as "Silicon Hills." The region hosts major technology companies and innovation-driven enterprises, including global firms in software, semiconductor manufacturing, artificial intelligence, and cloud infrastructure.[25]

The metropolitan area supports tens of thousands of technology professionals across software engineering, data science, AI research, and digital product development. This concentration of technical talent creates a strong labor pool for recruiting:

• Backend and mobile engineers

• AI and computer vision specialists

• Cloud infrastructure professionals

• Data scientists and machine learning engineers

The presence of the University of Texas at Austin, one of the leading public research universities in the United States, further strengthens the local innovation ecosystem. The university contributes significant research output in computer science, artificial intelligence, biomedical engineering, and health technologies, while supplying a consistent pipeline of highly skilled graduates.

**Health and Wellness Market Environment**

Austin has a strong health and wellness culture, with high levels of participation in fitness activities, wellness programs, and preventive health initiatives. The metropolitan area supports a substantial network of:

• Fitness centers and independent studios

• Rehabilitation clinics

• Senior living facilities

• Corporate headquarters with wellness programs

This environment aligns directly with RDLP Software LLC's target customer segments, including personal trainers, health professionals, institutional care providers, and corporate wellness departments.

Texas also has one of the largest elderly populations in the country, reflecting broader national demographic trends. The demand for preventive care technologies, fall prevention solutions, and chronic disease management tools continues to increase as the population ages.

[25] https://www.austintechnologycouncil.org/the-state-of-austin-tech-in-2025/

**Infrastructure and Scalability**

Austin provides advanced digital infrastructure, high-speed broadband connectivity, and cloud-ready operational environments suitable for SaaS-based technology companies. As RDLP Software LLC operates under a mobile-first and cloud-based architecture, the city's strong technological infrastructure supports secure and scalable deployment.

Additionally, Austin's central geographic location allows efficient business travel and connectivity to major U.S. metropolitan areas, including Dallas, Houston, Los Angeles, New York, and Chicago.

While RDLP Software LLC will utilize a scalable digital distribution model serving clients nationwide, establishing headquarters in Austin enhances credibility within the HealthTech and AI sectors and positions the company within a nationally recognized innovation corridor.

**Strategic Advantages of the Location**

Establishing operations in Austin provides RDLP Software LLC with several strategic advantages:

1. Access to a large and growing pool of software engineering and AI talent
2. Strong startup and venture capital ecosystem
3. High adoption rates of digital and wellness technologies
4. Business-friendly regulatory and tax environment
5. Proximity to research institutions and innovation networks

These factors collectively support the company's long-term growth, workforce expansion, and ability to scale nationally.

By positioning its headquarters in Austin, Texas, RDLP Software LLC aligns itself with one of the most innovation-driven metropolitan areas in the United States, strengthening its operational capacity, recruitment strategy, and credibility within the expanding digital health and artificial intelligence markets.

## 5.0 Strategy and Implementation

RDLP Software LLC's strategy is centered on developing and scaling a secure, artificial intelligence-driven digital health platform designed to improve exercise safety, reduce injury risks, and support preventive health outcomes across individual users, professionals, institutions, and corporate clients. The company's implementation approach prioritizes technological robustness, clinical validation, operational stability, and long-term financial sustainability, enabling scalable growth with disciplined execution. RDLP Software LLC emphasizes measured growth, structured workforce expansion, continuous AI refinement, and durable client relationships supported by recurring subscription and licensing models.

**Service Delivery Strategy**

RDLP Software LLC will deliver its services through a structured, implementation-focused methodology that integrates artificial intelligence, computer vision, cloud-based infrastructure,

and clinical protocol validation into each stage of product development and deployment. The company's service delivery framework follows clearly defined phases that include AI model development and refinement, validation of biomechanical correction protocols with clinical oversight, secure platform deployment, subscription and institutional onboarding, continuous performance monitoring, and iterative optimization.

This approach ensures transparency, repeatability, and alignment between technological capabilities and preventive health objectives. Services are designed to operate seamlessly across mobile devices and cloud environments, allowing scalable nationwide access while maintaining high standards of data security, performance efficiency, and system reliability. The company will operate under a digital-first and remote-enabled model from its headquarters in Austin, Texas, enabling national reach without geographic limitations while maintaining operational efficiency.

**Client Acquisition and Market Entry**

Client acquisition will focus on four primary segments: individual subscription users, personal trainers and health professionals, preventive care institutions, and corporate wellness programs. RDLP Software LLC will leverage digital marketing strategies, professional partnerships, structured outreach to rehabilitation and wellness facilities, and enterprise engagement initiatives led by its sales and account management team to establish its initial client base.

The company's market entry strategy emphasizes long-term relationships supported by recurring subscription revenue, annual licensing agreements, and enterprise wellness contracts rather than one-time transactions. This approach supports predictable revenue growth, stronger retention rates, and deeper integration within client operations. Initial penetration efforts will prioritize Texas metropolitan markets before scaling nationally through digital onboarding and remote platform deployment.

**Operational Implementation**

Operational execution will be led by Mr. Rillian Diello Lucas Pires in his capacity as Founder and Chief Technology Officer. He will oversee artificial intelligence architecture, technical governance, platform scalability, and product roadmap development. Based on his academic background in computer vision and extensive experience in full-stack software engineering, Mr. Pires will ensure the consistent application of engineering best practices and disciplined system development standards.

Engineering and clinical teams will operate under standardized development protocols that ensure secure backend architecture, reliable mobile deployment, AI model validation, and structured documentation. As demand increases, workforce expansion will occur incrementally and in alignment with confirmed revenue growth and platform scalability requirements. This controlled hiring strategy reduces operational risk while ensuring financial sustainability and service quality.

**Technology and Process Framework**

RDLP Software LLC will utilize scalable cloud-native infrastructure, real-time computer vision processing systems, secure backend APIs, subscription management architecture, and enterprise reporting dashboards to support efficient and reliable service delivery. Internal

processes will be continuously reviewed and refined to improve execution efficiency, enhance AI accuracy, strengthen clinical validation procedures, and maintain compliance with data privacy and cybersecurity standards.

The company's framework emphasizes automation, scalability, repeatability, and continuous validation. AI models will evolve through structured data analysis and performance monitoring to ensure that biomechanical correction capabilities improve alongside user growth and technological advancements. This disciplined framework ensures long-term platform resilience and operational sustainability.

**Monitoring and Continuous Improvement**

Performance will be measured using structured indicators related to subscriber growth, professional platform adoption, institutional contract acquisition, AI correction accuracy, user engagement levels, enterprise participation metrics, revenue performance by segment, and customer satisfaction. Feedback from individual users, professionals, institutional partners, and corporate clients will be systematically incorporated into platform refinement.

Continuous improvement mechanisms will guide feature updates, pricing adjustments, AI training enhancements, and system scalability planning. This structured monitoring approach ensures that RDLP Software LLC remains responsive to market dynamics, emerging technologies, and evolving preventive healthcare standards.

**Execution Roadmap**

In the short term, RDLP Software LLC will focus on finalizing minimum viable product development, launching its AI-powered biomechanical analysis subscription, securing early professional adopters, and establishing initial institutional partnerships. Medium-term objectives include expanding engineering capacity, strengthening AI sophistication, scaling professional and institutional licensing, and entering the corporate wellness market through enterprise contracts. Long-term goals center on national expansion, advanced predictive injury analytics, workforce growth, strengthened brand positioning within the AI HealthTech sector, and continued contribution to preventive digital health innovation.

Through this disciplined strategy and implementation framework, RDLP Software LLC is positioned to deliver measurable preventive health value, support scalable digital wellness infrastructure, and achieve sustainable growth aligned with evolving healthcare and technology market demands in the United States.

## 5.1 Swot Analysis

A SWOT analysis is a strategic planning tool that helps businesses identify their internal strengths and weaknesses, as well as external opportunities and threats. By analyzing these factors, RDLP Software LLC can develop effective strategies to leverage its strengths and opportunities while mitigating risks and addressing weaknesses.

### 5.1.1 Strengths

- Proprietary AI-powered biomechanical correction technology using computer vision

- Founder with advanced academic background in Computer Science and computer vision research
- Scalable SaaS-based recurring revenue model with high gross margin potential
- Diversified revenue streams across individual, professional, institutional, and corporate segments
- Integration of clinical consultants and protocol specialists ensuring safety and credibility
- Asset-light and cloud-based operational structure enabling national scalability
- Location in Austin, Texas, providing access to a strong technology and innovation ecosystem
- Data-driven platform architecture allowing continuous AI refinement and performance optimization

### 5.1.2 Weaknesses

- Limited brand recognition as an early-stage company
- Initial operational dependence on founder leadership and technical oversight

### 5.1.3 Opportunities

- Rapid expansion of the U.S. digital health market
- Accelerated adoption of artificial intelligence in healthcare and wellness applications
- Rising healthcare costs increasing demand for preventive and risk-reduction solutions
- Aging U.S. population driving need for fall prevention and mobility monitoring technologies
- Growing corporate investment in measurable wellness programs
- Institutional licensing opportunities within rehabilitation centers and senior care facilities
- Integration potential with wearable devices and health tracking ecosystems
- Increasing acceptance of remote health monitoring and mobile-based preventive solutions

### 5.1.4 Threats

- Entry of large technology platforms into the AI fitness and preventive health space
- Regulatory changes affecting digital health, artificial intelligence governance, or data privacy

## 5.2 Website and Digital Marketing

RDLP Software LLC's website and digital marketing strategy will support market entry, brand positioning, and user acquisition by clearly communicating the company's artificial intelligence-driven preventive health platform and its four primary service lines. As an emerging HealthTech company, RDLP Software LLC will rely on a strong digital presence to build credibility, educate the market on AI-powered biomechanical correction, and attract individual users, professionals, institutions, and corporate clients across the United States.

### Website Strategy

1. **Professional and Trust-Oriented Design:** The website will feature a modern, technology-driven design that reflects innovation, reliability, and preventive healthcare credibility. The visual identity will emphasize artificial intelligence, digital precision, and health performance optimization. The layout will balance technical sophistication with accessibility, ensuring that both individual users and institutional decision-makers can clearly understand the platform's value.
2. **Service-Centered Content Structure:** Each of the four core services will have a dedicated section explaining the problem addressed, the technological solution offered, and the measurable outcomes generated. The AI-Powered Biomechanical Analysis Subscription will focus on injury prevention and real-time movement correction. The Professional Digital Health Management Platform will highlight remote client management and intelligent exercise adaptation. The Special Population Preventive Care Licensing section will emphasize safety protocols for elderly and high-risk individuals. The Corporate and Institutional Wellness Integration section will outline measurable workforce wellness outcomes and enterprise analytics capabilities.
3. **Founder and Technical Leadership Section:** A dedicated section will present Mr. Rillian Diello Lucas Pires' academic and professional background, including his research in computer vision and his experience in full-stack engineering. This reinforces technical credibility and demonstrates that platform development is led by an experienced AI and software professional with hands-on expertise.
4. **Educational and Industry Insight Content:** The website will include an insights section featuring articles and educational materials related to preventive health, AI in exercise monitoring, injury risk reduction, and digital wellness innovation. This content will strengthen search visibility and position RDLP Software LLC as a knowledge-driven HealthTech company.
5. **Structured Lead Generation Channels:** Clear contact forms and consultation request options will be incorporated to support professional, institutional, and corporate inquiries. Calls to action will be strategically placed to encourage subscription sign-ups, demo requests, and enterprise discussions, supporting both B2C and B2B acquisition.
6. **Search Engine Optimization:** Website content will be optimized using keywords related to AI fitness technology, preventive health platforms, biomechanical analysis software, digital wellness solutions, and corporate wellness integration. This approach will support organic visibility among users actively seeking preventive health and AI-driven fitness solutions.
7. **Responsive and Accessible Architecture:** The website will be fully responsive across desktop, tablet, and mobile devices. Accessibility standards will be incorporated to ensure inclusive usability and compliance with modern digital accessibility expectations.

### Digital Marketing Strategy

1. **Targeted Digital Advertising: RDLP** Software LLC will utilize targeted search and social advertising campaigns to reach individual fitness users, personal trainers, rehabilitation centers, and corporate wellness decision-makers. Campaigns will focus on high-intent

keywords and audience segments aligned with preventive health and AI-driven training solutions.

2. **Professional Social Media Positioning:** The company will maintain an active presence on LinkedIn and other professional platforms to share updates related to artificial intelligence innovation, preventive health insights, and institutional case applications. This presence will support credibility, thought leadership, and enterprise engagement.
3. **Content Marketing and Educational Outreach:** Educational content, including blog posts, white papers, and explanatory materials about AI biomechanics and injury prevention, will be used to build trust and support informed decision-making among prospective users and institutional partners.
4. **Email Engagement Strategy:** Targeted email campaigns will nurture leads across different segments by sharing product updates, educational resources, and service enhancements. Communication will remain value-driven and informative, reinforcing long-term engagement rather than short-term promotional tactics.
5. **Performance Analytics and Optimization:** Website traffic, subscription conversion rates, cost per acquisition, and engagement metrics will be monitored continuously. Marketing campaigns will be refined based on performance data to improve targeting efficiency and optimize return on investment.

By implementing a structured and technology-focused digital marketing strategy, RDLP Software LLC will establish a credible national presence, communicate its differentiated AI-driven services effectively, and support sustainable user and institutional growth.

## 5.3 Sales Strategy

RDLP Software LLC's sales strategy is designed to support sustainable and scalable growth by combining subscription-based user acquisition with institutional and enterprise contract development. The company will adopt a consultative and value-driven sales approach that emphasizes measurable preventive health outcomes rather than transactional promotion.

**Understanding Client Needs**

Each institutional and enterprise engagement will begin with a structured assessment of the prospective client's objectives, population profile, and wellness or preventive care goals. For corporate clients, this may include workforce health challenges, absenteeism concerns, or injury-related costs. For rehabilitation centers and institutions, discussions will focus on fall prevention, mobility preservation, and safety compliance.

This consultative diagnostic approach ensures that service proposals align directly with measurable health and operational objectives.

**Value Proposition and Differentiation**

RDLP Software LLC differentiates itself by integrating artificial intelligence and real-time biomechanical correction into preventive health programs. Unlike traditional fitness platforms that track activity passively, the company provides active posture correction, adaptive exercise substitution, and structured analytics.

For corporate clients, the value proposition includes measurable engagement reporting and workforce wellness insights. For institutions, it includes safety-oriented preventive protocols. For professionals, it includes scalable client management tools. For individual users, it includes personalized AI-driven movement correction.

**Relationship-Based Sales Model**

The company will prioritize long-term recurring subscriptions and annual licensing agreements. Enterprise contracts will include ongoing monitoring, analytics updates, and periodic review meetings to ensure continued value delivery. This relationship-driven model supports predictable revenue and strong client retention.

**Referral and Partnership-Based Growth**

Early growth will be supported by professional networks, partnerships with trainers and rehabilitation facilities, and referrals from satisfied institutional clients. Given the trust-sensitive nature of preventive health solutions, relationship-based growth will play a significant role in expanding credibility.

**Digital and Content-Supported Sales Outreach**

Sales activities will be supported by the company's digital presence, educational content, and professional networking platforms. Prospects will often engage with educational material before formal discussions, improving lead quality and conversion efficiency.

**Sales Enablement and Team Development**

As the company expands, Account Executives and Sales Management will receive structured training to ensure strong alignment between technical platform capabilities and client commitments. This ensures that sales growth remains consistent with operational capacity and product evolution.

**Performance Monitoring**

Sales performance will be tracked using metrics such as subscriber growth, institutional contract value, customer acquisition cost, enterprise retention rates, and revenue per segment. These indicators will guide sales refinement and resource allocation decisions.

Through this structured and consultative sales strategy, RDLP Software LLC will build a diversified revenue base, strengthen long-term partnerships, and support scalable expansion within the AI-driven preventive health market.

## 5.4 Sales Forecast

RDLP Software LLC is preparing to launch a structured portfolio of artificial intelligence-driven preventive health services designed for individual users, health professionals, institutions, and corporate clients across the United States. Sales operations are expected to begin during the initial phase of platform deployment, with a phased and scalable growth trajectory projected over the first five years. The sales forecast reflects progressive market penetration, expansion of subscription adoption, increasing institutional licensing agreements, and growth in enterprise-level wellness contracts.

**Sales Forecast Overview**

RDLP Software LLC's revenue projections are based on four core service lines aligned with its SaaS model and AI-driven preventive health platform.

**AI Biomechanical Subscription** represents the company's high-volume recurring revenue segment. Unit sales are projected to begin at 3,450 subscribers in Year One, increasing to 14,140 subscribers by Year Five. The average subscription price is projected to increase gradually from $35.00 in Year One to $42.54 in Year Five, reflecting incremental annual adjustments of approximately five percent. Total revenue from this service is projected to grow from $120,750 in Year One to $601,561 by Year Five, driven by expanding user adoption and platform retention.

**Professional Digital Health Management Platform** targets certified personal trainers and health professionals. Unit sales are projected to grow from 2,550 professional subscriptions in Year One to 10,451 subscriptions by Year Five. Pricing is projected to increase from $120.00 per month in Year One to $145.86 by Year Five. Revenue from this segment is projected to grow from $306,000 in Year One to $1,524,453 by Year Five, reflecting strong demand for AI-assisted client management and preventive protocol integration.

**Special Population Preventive Care Licensing** represents institutional contracts with rehabilitation centers and wellness facilities. Unit sales are projected to increase from 4 institutional licenses in Year One to 21 licenses by Year Five. Annual pricing is projected to rise from $15,000.00 to $18,232.59 over the forecast period. Revenue from this segment is projected to grow from $60,000 in Year One to $382,884 by Year Five, reflecting increasing institutional adoption and expansion within preventive care environments.

**Corporate and Institutional Wellness Integration** represents enterprise-level contracts. Unit sales are projected to increase from 2 corporate contracts in Year One to 10 contracts by Year Five. Annual pricing is projected to increase from $40,000.00 to $48,620.25 during the same period. Revenue from this segment is projected to grow from $80,000 in Year One to $486,203 by Year Five, reflecting structured corporate wellness investment and measurable workforce health analytics demand.

Based on these projections, total company revenue is expected to increase from $566,750 in Year One to $2,995,102 by Year Five. This growth reflects scalable subscription expansion, diversified revenue streams, and increasing average contract values across institutional and enterprise segments.

**Cost Structure and Margin Sustainability**

Direct unit costs have been conservatively projected to reflect cloud infrastructure expenses, AI processing capacity, platform maintenance, customer support allocation, and enterprise onboarding costs. Direct unit costs are estimated at $2.80 per AI subscription in Year One, increasing modestly to $3.40 by Year Five. Professional platform direct unit costs are projected to increase from $9.60 to $11.67 over the forecast period. Institutional licensing direct unit costs are projected to rise from $1,200.00 to $1,458.61 per license, while corporate wellness integration direct unit costs are projected to increase from $3,200.00 to $3,889.62 per contract.

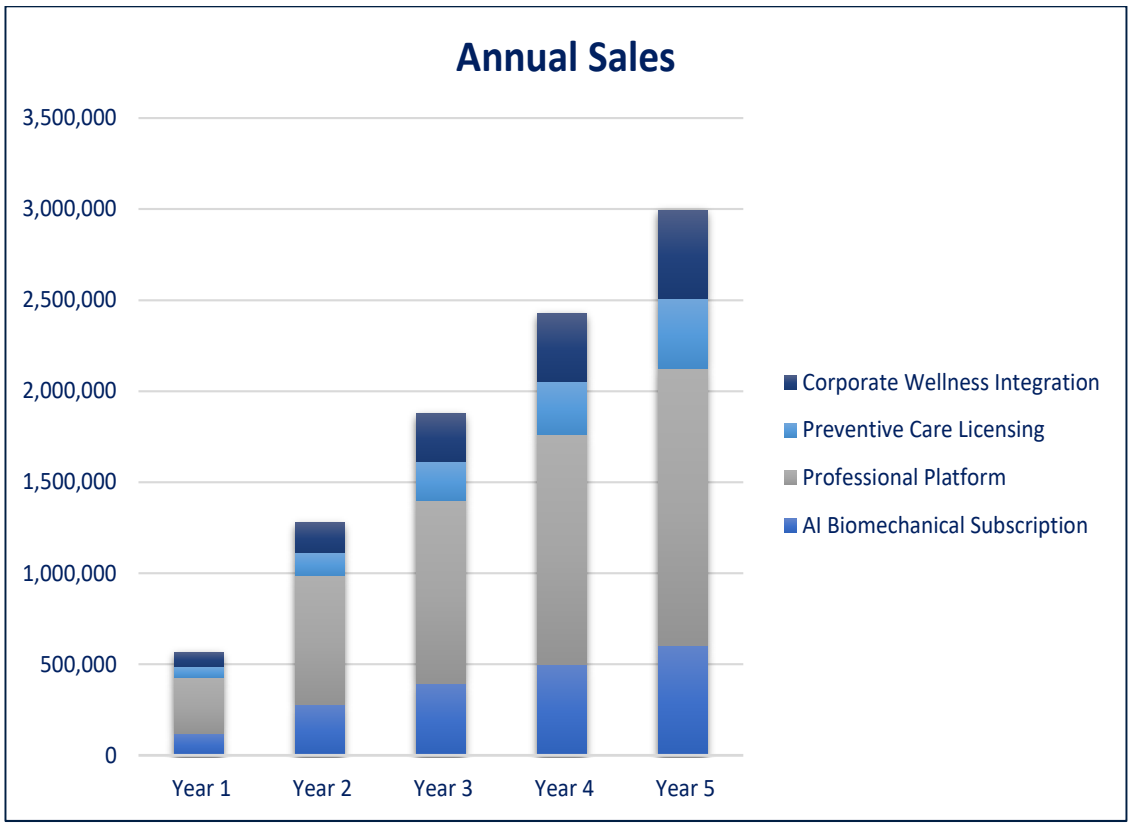
Total direct cost of sales is projected to grow from $45,340 in Year One to $239,608 by Year Five. Despite this increase, the company maintains strong gross margin performance due to the scalable nature of its SaaS model and the high operating leverage of digital platform delivery.

This sales and cost forecast demonstrates RDLP Software LLC's ability to scale operations in a controlled and financially sustainable manner. The diversified revenue mix across subscription, professional, institutional, and enterprise segments supports long-term stability while enabling reinvestment in artificial intelligence refinement, workforce expansion, and national market penetration

### 5.4.1 Annual Sales Forecast Table

| *Sales Forecast* | | | | | |
|---|---|---|---|---|---|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| **Unit Sales** | | | | | |
| **AI Biomechanical Subscription** | 3,450 | 7,590 | 10,247 | 12,296 | 14,140 |
| **Professional Platform** | 2,550 | 5,610 | 7,574 | 9,088 | 10,451 |
| **Preventive Care Licensing** | 4 | 8 | 13 | 17 | 21 |
| **Corporate Wellness Integration** | 2 | 4 | 6 | 8 | 10 |
| **Total Unit Sales** | 6,006 | 13,212 | 17,839 | 21,409 | 24,623 |
| | | | | | |
| **Unit Prices** | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| **AI Biomechanical Subscription** | $35.00 | $36.75 | $38.59 | $40.52 | $42.54 |
| **Professional Platform** | $120.00 | $126.00 | $132.30 | $138.92 | $145.86 |
| **Preventive Care Licensing** | $15,000.00 | $15,750.00 | $16,537.50 | $17,364.38 | $18,232.59 |
| **Corporate Wellness Integration** | $40,000.00 | $42,000.00 | $44,100.00 | $46,305.00 | $48,620.25 |
| | | | | | |
| **Sales** | | | | | |
| **AI Biomechanical Subscription** | $120,750 | $278,933 | $395,387 | $498,187 | $601,561 |
| **Professional Platform** | $306,000 | $706,860 | $1,001,974 | $1,262,487 | $1,524,453 |
| **Preventive Care Licensing** | $60,000 | $126,000 | $214,988 | $295,194 | $382,884 |
| **Corporate Wellness Integration** | $80,000 | $168,000 | $264,600 | $370,440 | $486,203 |
| **Total Sales** | $566,750 | $1,279,793 | $1,876,948 | $2,426,309 | $2,995,102 |
| | | | | | |
| **Direct Unit Costs** | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| **AI Biomechanical Subscription** | $2.80 | $2.94 | $3.09 | $3.24 | $3.40 |
| **Professional Platform** | $9.60 | $10.08 | $10.58 | $11.11 | $11.67 |
| **Preventive Care Licensing** | $1,200.00 | $1,260.00 | $1,323.00 | $1,389.15 | $1,458.61 |
| **Corporate Wellness Integration** | $3,200.00 | $3,360.00 | $3,528.00 | $3,704.40 | $3,889.62 |
| | | | | | |
| **Direct Cost of Sales** | | | | | |
| **AI Biomechanical Subscription** | $9,660 | $22,315 | $31,631 | $39,855 | $48,125 |
| **Professional Platform** | $24,480 | $56,549 | $80,158 | $100,999 | $121,956 |
| **Preventive Care Licensing** | $4,800 | $10,080 | $17,199 | $23,616 | $30,631 |
| **Corporate Wellness Integration** | $6,400 | $13,440 | $21,168 | $29,635 | $38,896 |
| Subtotal Direct Cost of Sales | **$45,340** | **$102,383** | **$150,156** | **$194,105** | **$239,608** |

### 5.4.3 Annual Sales Chart




# 6.0 Management Structure

As previously mentioned, Mr. Rillian Diello Lucas Pires will be the Founder & Chief Technology Officer (CTO) of RDLP Software LLC. The Personnel Plan shows that the company expects to make gradual investments in personnel in the first years of operation, and by the year 5, the company will have 18 employees, including Mr. Rillian Diello Lucas Pires.

## 6.1 Staffing Requirements

RDLP Software LLC has developed a structured personnel plan to support its operations and scalable growth within the artificial intelligence-driven preventive health technology sector. This plan outlines the company's staffing structure, projected headcount, and compensation framework over a five-year period, ensuring that workforce expansion remains aligned with platform development, market demand, operational capacity, and financial sustainability.

In Year 1, RDLP Software LLC will begin operations with a foundational team of four professionals. This initial structure includes Mr. Rillian Diello Lucas Pires serving as Founder and Chief Technology Officer (CTO), with projected annual compensation of $110,000, a full-time Software Engineer with compensation of $96,000, one Account Executive with compensation of $86,400, and one Administrative and Finance Coordinator with compensation of $30,000. As detailed in the financial projections, hiring during the first year will occur progressively as platform deployment and revenue generation advance. Compensation levels in Year 1 reflect the structured launch phase of operations.

From Year 2 onward, personnel expansion will follow a disciplined and phased model, with all employees receiving full annual compensation. Over the five-year period, the team will grow from 4 employees in Year 1 to 18 employees by Year 5, reflecting increasing subscription adoption, institutional licensing, and enterprise contract development.

Key roles and their progression in staffing and compensation include:

**Founder and Chief Technology Officer (CTO):** Mr. Rillian Diello Lucas Pires will remain in this leadership role throughout the five-year period. Compensation is projected to increase from $110,000 in Year 1 to $209,881 by Year 5, reflecting company growth, increased responsibilities, and strategic leadership expansion.

**Software Engineer (Full-Time)**: One position will remain active throughout the five-year period, with compensation increasing from $96,000 in Year 1 to $140,026 in Year 5, supporting platform maintenance and feature enhancement.

**Clinical Consultant**: This role will be introduced in Year 2 with one professional at $81,900, expanding to two professionals in Year 4 and three professionals by Year 5. Total compensation for this role will grow from $0 in Year 1 to $284,428 by Year 5, reflecting the expansion of clinical oversight across institutional and special population services.

**Backend Engineer**: Introduced in Year 3 with one position at $119,070, continuing through Year 5 with compensation increasing to $131,275, supporting scalable backend architecture and cloud infrastructure management.

**Mobile Engineer**: Introduced in Year 2 with one position at $110,250, continuing through Year 5 with compensation increasing to $127,628, supporting mobile application development and performance optimization.

**AI and Computer Vision Engineer**: Introduced in Year 2 with one position at $126,000, continuing through Year 5 with compensation increasing to $145,861, supporting AI model refinement, biomechanical detection accuracy, and data-driven system evolution.

**Clinical Protocol Specialist**: Introduced in Year 2 with one professional at $94,500, expanding to two professionals in Year 4 and maintaining two positions in Year 5. Total compensation for this role will reach $218,791 by Year 5, strengthening structured preventive care validation.

**Account Executives**: One Account Executive will be active in Years 1 through 3, expanding to two in Year 4 and three in Year 5. Total compensation for this role will increase from $86,400 in Year 1 to $315,059 in Year 5, reflecting growth in subscription, institutional, and enterprise sales.

**Marketing Specialist**: Introduced in Year 3 with one professional at $82,026, continuing through Year 5 with compensation increasing to $90,434, supporting digital outreach and brand positioning.

**Sales Manager**: Introduced in Year 3 with one professional at $79,380, continuing through Year 5 with compensation increasing to $87,516, supporting enterprise contract development and sales team leadership.

**Administrative and Finance Coordinator**: Introduced in Year 1 with compensation of $30,000, increasing to $72,930 by Year 5, supporting operational management, compliance, and financial administration.

**Customer Success**: Introduced in Year 2 with one professional at $44,100, expanding to two professionals by Year 5 with total compensation reaching $102,103, supporting user retention and enterprise client relationship management.

Total payroll is projected to begin at $322,400 in Year 1, increase to $869,430 in Year 2 as the technical and clinical teams expand, rise to $1,207,178 in Year 3 with engineering and sales additions, reach $1,577,906 in Year 4, and grow to $1,925,932 by Year 5. This structured payroll growth aligns with projected revenue expansion, increasing service capacity, and disciplined scaling of operations.

The personnel plan demonstrates RDLP Software LLC's commitment to building a multidisciplinary team combining artificial intelligence engineering, clinical validation, sales development, and operational governance. The phased hiring strategy supports sustainable growth, strengthens platform reliability, and ensures that workforce expansion remains proportionate to confirmed market demand and financial performance.

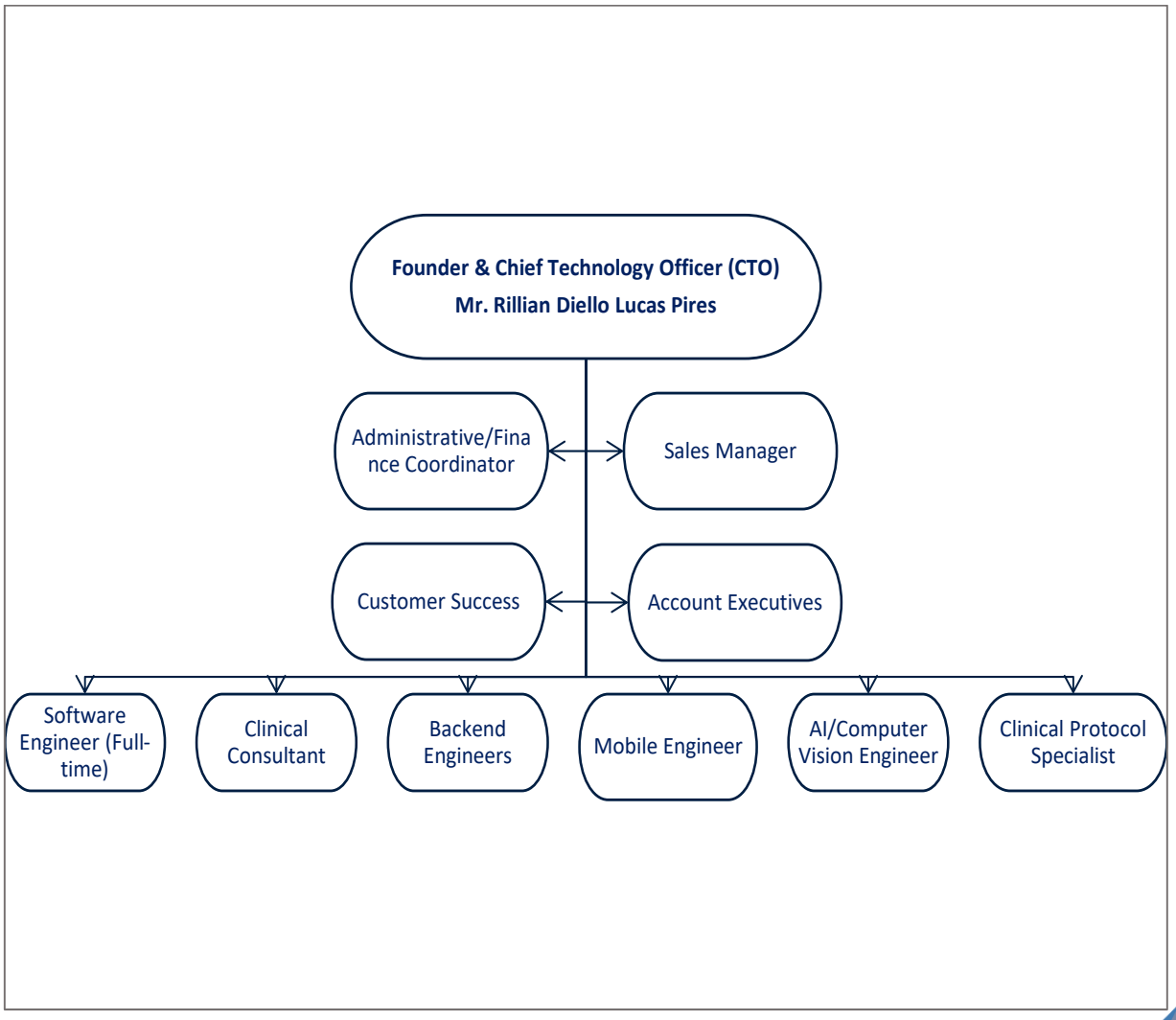
## 6.2 Annual Personnel Plan Table

| *Personnel Plan* | | | | | |
|---|---|---|---|---|---|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| **Founder & Chief Technology Officer (CTO) - Mr. Rillian Diello Lucas Pires** | $110,000 | $138,000 | $158,700 | $182,505 | $209,881 |
| **Software Engineer (Full-time)** | $96,000 | $120,960 | $127,008 | $133,358 | $140,026 |
| **Clinical Consultant** | $0 | $81,900 | $85,995 | $180,590 | $284,428 |
| **Backend Engineers** | $0 | $0 | $119,070 | $125,024 | $131,275 |
| **Mobile Engineer** | $0 | $110,250 | $115,763 | $121,551 | $127,628 |
| **AI/Computer Vision Engineer** | $0 | $126,000 | $132,300 | $138,915 | $145,861 |
| **Clinical Protocol Specialist** | $0 | $94,500 | $99,225 | $208,373 | $218,791 |
| **Account Executives** | $86,400 | $90,720 | $95,256 | $200,038 | $315,059 |
| **Marketing Specialist** | $0 | $0 | $82,026 | $86,127 | $90,434 |
| **Sales Manager** | $0 | $0 | $79,380 | $83,349 | $87,516 |
| **Administrative/Finance Coordinator** | $30,000 | $63,000 | $66,150 | $69,458 | $72,930 |
| **Customer Success** | $0 | $44,100 | $46,305 | $48,620 | $102,103 |
| **Total People** | 4 | 9 | 12 | 15 | 18 |
| | | | | | |
| Total Payroll | **$322,400** | **$869,430** | **$1,207,178** | **$1,577,906** | **$1,925,932** |

## 6.3 Five-Year Personnel Plan Table

| *Personnel Plan* | | | | | |
|---|---|---|---|---|---|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| **Founder & Chief Technology Officer (CTO) - Mr. Rillian Diello Lucas Pires** | 1 | 1 | 1 | 1 | 1 |
| **Software Engineer (Full-time)** | 1 | 1 | 1 | 1 | 1 |
| **Clinical Consultant** | 0 | 1 | 1 | 2 | 3 |
| **Backend Engineers** | 0 | 0 | 1 | 1 | 1 |
| **Mobile Engineer** | 0 | 1 | 1 | 1 | 1 |
| **AI/Computer Vision Engineer** | 0 | 1 | 1 | 1 | 1 |
| **Clinical Protocol Specialist** | 0 | 1 | 1 | 2 | 2 |
| **Account Executives** | 1 | 1 | 1 | 2 | 3 |
| **Marketing Specialist** | 0 | 0 | 1 | 1 | 1 |
| **Sales Manager** | 0 | 0 | 1 | 1 | 1 |
| **Administrative/Finance Coordinator** | 1 | 1 | 1 | 1 | 1 |
| **Customer Success** | 0 | 1 | 1 | 1 | 2 |
| | | | | | |
| **Total People** | **4** | **9** | **12** | **15** | **18** |

## 6.4 Organizational Chart – Year 5



## 6.5 Duties and Responsibilities

**Founder & Chief Technology Officer (CTO) – Mr. Rillian Diello Lucas Pires**

- Lead the overall technology strategy, including AI architecture, platform scalability, and long-term product roadmap
- Oversee development of computer vision models for real-time biomechanical analysis and movement correction
- Establish engineering standards, coding protocols, and technical governance frameworks
- Supervise backend, mobile, and AI engineering teams to ensure system reliability and performance
- Ensure data security, privacy compliance, and cloud infrastructure integrity
- Coordinate with Clinical Consultants to validate preventive care and safety protocols
- Drive innovation through continuous research and integration of emerging AI technologies
- Represent the company in strategic partnerships, investor discussions, and enterprise negotiations

**Software Engineer (Full-Time)**

- Develop and maintain core platform features across backend and frontend systems
- Support API integration and cloud-based deployment processes
- Perform system testing, debugging, and performance optimization
- Collaborate with AI and mobile teams to ensure seamless feature integration

**Clinical Consultant**

- Provide clinical oversight to ensure that all exercise protocols and system recommendations align with established medical and rehabilitation standards
- Validate safety parameters and risk thresholds used in AI-based movement analysis and correction systems
- Advise on clinical best practices for high-risk populations, including elderly individuals and patients with chronic or musculoskeletal conditions
- Support partnerships with clinics and healthcare providers by ensuring clinical credibility and compliance with applicable health guidelines

**Backend Engineer**

- Design and maintain scalable backend architecture and APIs
- Optimize database performance and cloud infrastructure efficiency
- Implement secure authentication and data protection mechanisms
- Support integration with mobile applications and enterprise dashboards

**Mobile Engineer**

- Develop and optimize mobile applications for iOS and Android platforms
- Integrate real-time AI feedback into user-facing interfaces
- Ensure cross-device performance and user experience consistency

- Manage mobile application updates and version control

**AI / Computer Vision Engineer**

- Develop and refine computer vision models for posture detection and movement tracking
- Train machine learning models using performance and biomechanical datasets
- Optimize AI inference speed for real-time mobile processing
- Monitor AI accuracy metrics and continuously improve detection algorithms

**Clinical Protocol Specialist**

- Develop and structure preventive training programs tailored to specific populations (e.g., post-rehabilitation patients, elderly users, individuals with mobility limitations)
- Translate clinical guidelines into standardized, repeatable exercise protocols that can be implemented within the digital platform
- Define exercise sequences, progression levels, and adaptation rules based on user performance data
- Collaborate with engineering teams to convert protocols into system logic and AI-compatible frameworks

**Account Executives**

- Identify and acquire new individual, professional, and institutional clients
- Conduct consultative sales discussions focused on preventive health outcomes
- Manage client onboarding and contract negotiation processes
- Maintain long-term relationships to support renewals and upselling opportunities

**Marketing Specialist**

- Develop digital marketing campaigns targeting defined customer segments
- Manage website content, SEO strategy, and brand positioning initiatives
- Produce educational content related to AI and preventive health innovation
- Monitor campaign performance and optimize user acquisition strategies

**Sales Manager**

- Lead and supervise the sales team to achieve revenue targets
- Develop enterprise outreach strategies for corporate wellness contracts
- Monitor sales performance metrics and adjust strategy as needed
- Align sales commitments with operational and technical capacity

**Administrative / Finance Coordinator**

- Manage payroll, accounts payable, and financial documentation
- Support budgeting, forecasting, and financial reporting processes
- Coordinate vendor contracts and administrative compliance tasks
- Maintain internal operational records and regulatory filings

**Customer Success**

- Support user onboarding and subscription activation processes

- Monitor client satisfaction and retention metrics
- Provide technical support coordination between users and engineering teams
- Manage institutional and corporate client communication post-sale

# 7.0 Financial Summary

The financial plan for RDLP Software LLC will be a critical analysis of the company's financial projections, including revenue, expenses, and overall financial performance. It will offer a comprehensive overview of the expected financial trajectory over a specific period of time and determine the company's financial feasibility. The plan will encompass essential aspects such as startup funding, profit and loss, cash flow, and balance sheet. The financial plan will play a crucial role in determining the company's success and will help in making informed decisions to ensure that the company achieves its financial objectives.

## 7.1 Break-even Analysis

The Break-even Analysis is a critical financial indicator for RDLP Software LLC, as it determines the level of monthly sales required for the company's revenues to fully cover its fixed and variable operating costs. Reaching the break-even point represents the transition from initial operational absorption to sustainable profitability.

Based on the company's projected cost structure and weighted service mix, RDLP Software LLC is expected to reach break-even when monthly revenue reaches approximately **$39,098**, corresponding to an estimated **414 average units per month** across its subscription and service portfolio.

This calculation is supported by the following financial assumptions:

- **Average Revenue Per Unit**: The blended average revenue per unit is projected at **$94.36**, calculated using the weighted distribution of the four service categories, including subscription-based users and institutional contracts.
- **Average Variable Cost Per Unit**: The average direct variable cost per unit is estimated at **$7.55**, reflecting cloud hosting, AI processing infrastructure, support allocation, and direct service delivery expenses.
- **Estimated Monthly Fixed Costs**: Monthly fixed operating costs are projected at **$35,970**, including payroll allocation, rent, insurance, utilities, marketing base expenses, and administrative overhead.

Understanding the break-even threshold allows RDLP Software LLC to define minimum subscription targets, institutional contract goals, and sales pacing necessary to sustain operational stability. Achieving this level of recurring revenue ensures that the company can maintain platform development, workforce expansion, and continued innovation without external financing dependency.

### 7.1.1 Break-even Analysis Chart

| *Break-even Analysis* | |
|---|---|
| | |
| **Monthly Units Break-even** | 414 |
| **Monthly Revenue Break-even** | $39,098 |
| | |
| **Assumptions:** | |
| **Average Per-Unit Revenue** | $94.36 |
| **Average Per-Unit Variable Cost** | $7.55 |
| Estimated Monthly Fixed Cost | **$35,970** |

## 7.2 Profit and Loss Assumptions

RDLP Software LLC has developed a structured and financially disciplined projection model reflecting its hybrid revenue structure, which combines subscription-based services, professional platform access, institutional licensing, and corporate wellness integration contracts.

The company's cost structure is built around high-margin digital delivery supported by a specialized workforce in artificial intelligence, software engineering, clinical validation, sales, and customer success. As a result, direct costs grow proportionally with revenue while maintaining a strong gross margin of 92 percent throughout the projection period.

**Revenue Growth** : Total revenue is projected to grow from $566,750 in Year 1 to $2,995,102 in Year 5, reflecting expansion in subscription adoption, institutional licensing growth, and increasing corporate wellness contracts.

**Direct Cost of Sales**: Direct costs are projected to increase from $45,340 in Year 1 to $239,608 in Year 5, representing cloud infrastructure, AI computational costs, support allocation, and direct service execution expenses. Despite revenue growth, the company maintains consistent gross margin performance due to the scalable nature of its digital platform.

**Gross Profit and Margin**: Gross profit is projected to increase from $521,410 in Year 1 to $2,755,494 in Year 5, maintaining a consistent gross margin of 92 percent. This margin reflects the efficiency of AI-driven automation and subscription-based digital services.

**Operating Expenses**: Operating expenses will grow in alignment with the company's phased hiring plan and infrastructure expansion. Total operating expenses are projected to increase from $431,640 in Year 1 to $2,276,848 in Year 5.

The primary components include:

- Payroll, increasing from $322,400 in Year 1 to $1,925,932 in Year 5, reflecting expansion from 4 to 18 professionals.
- Payroll taxes, increasing proportionally from $32,240 to $192,593. Rent, increasing from $30,000 to $62,208 as operational space and capacity expand.
- Marketing and promotion expenses, increasing steadily to support subscription growth and enterprise acquisition.
- Equipment and technology investments to support AI processing, mobile infrastructure, and clinical platform scaling.

- Employee education and professional development to maintain innovation capacity and technical excellence.

Profitability

- Profit Before Interest and Taxes is projected to increase from $89,770 in Year 1 to $478,645 in Year 5.
- EBITDA is projected to increase from $89,770 in Year 1 to $486,145 in Year 5, demonstrating operating leverage as fixed costs become proportionally lower relative to revenue growth.
- Net profit is projected to increase from $65,532 in Year 1 to $349,411 in Year 5, with net margins ranging between approximately 7 percent and 12 percent across the projection period. These margins reflect strategic reinvestment in workforce expansion, marketing growth, and product innovation while maintaining sustained profitability.

The company's financial projections demonstrate controlled scaling, disciplined cost management, and strong margin sustainability consistent with a technology-enabled subscription and licensing business model.

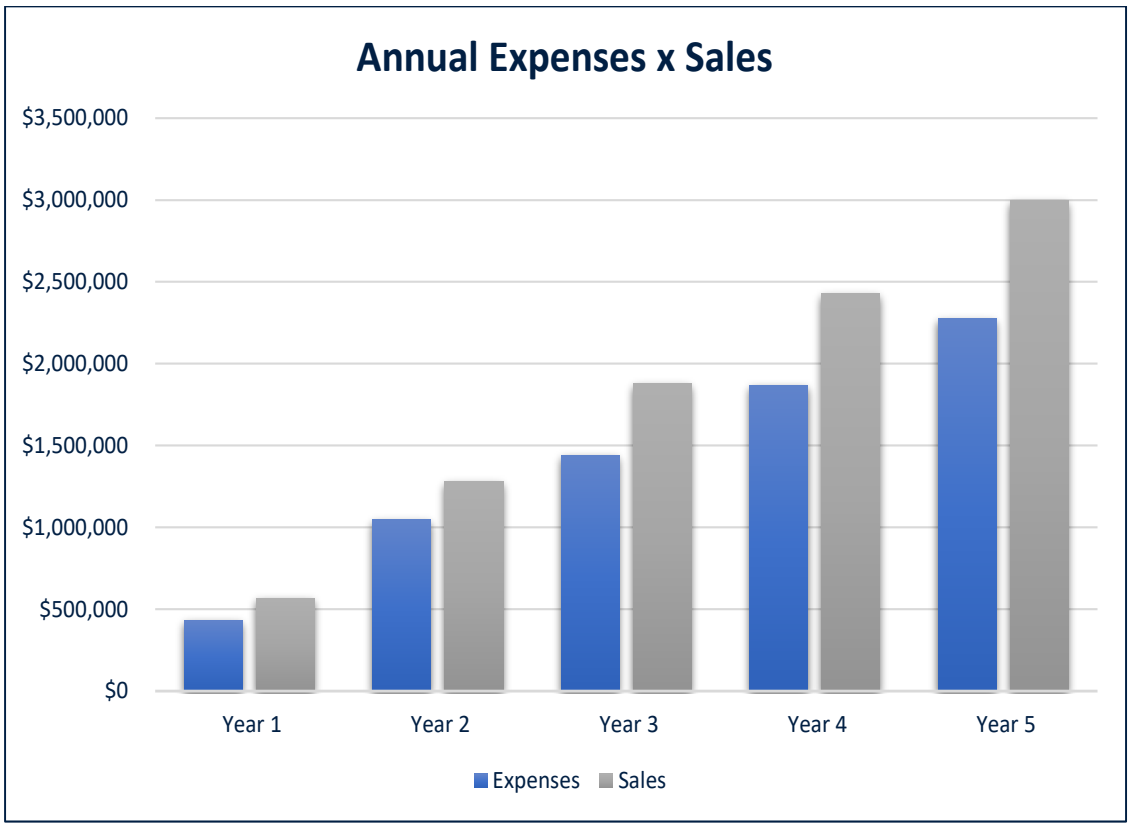
Detailed revenue assumptions, payroll projections, and expense breakdowns are provided in the financial appendix.

### 7.2.1 Annual Profit and Loss Table

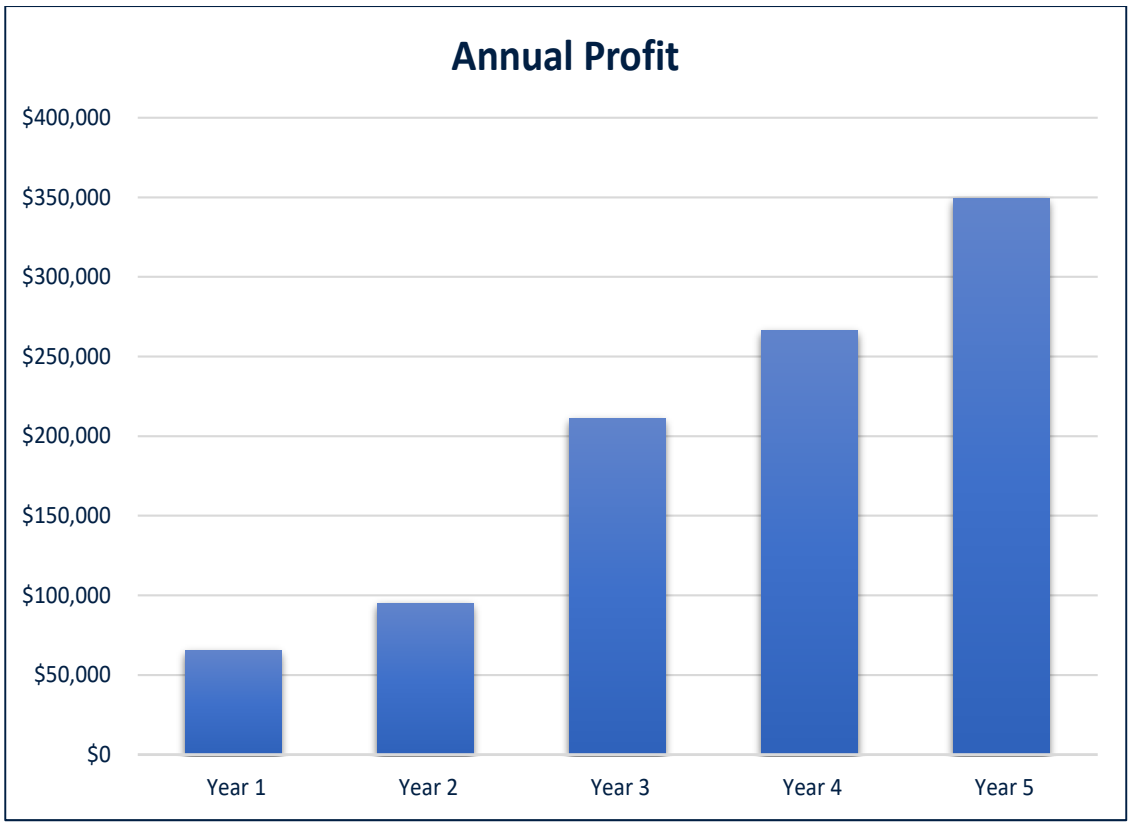
| *Pro Forma Profit and Loss* | | | | | |
|---|---|---|---|---|---|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| **Sales** | $566,750 | $1,279,793 | $1,876,948 | $2,426,309 | $2,995,102 |
| **Direct Cost of Sales** | $45,340 | $102,383 | $150,156 | $194,105 | $239,608 |
| **Other Costs of Sales** | $0 | $0 | $0 | $0 | $0 |
| **Total Cost of Sales** | $45,340 | $102,383 | $150,156 | $194,105 | $239,608 |
| | | | | | |
| **Gross Margin** | $521,410 | $1,177,409 | $1,726,792 | $2,232,204 | $2,755,494 |
| **Gross Margin %** | 92.00% | 92.00% | 92.00% | 92.00% | 92.00% |
| | | | | | |
| | | | | | |
| **Expenses** | | | | | |
| **Payroll** | $322,400 | $869,430 | $1,207,178 | $1,577,906 | $1,925,932 |
| **Payroll Taxes** | $32,240 | $86,943 | $120,718 | $157,791 | $192,593 |
| **Depreciation** | $0 | $3,000 | $4,500 | $6,000 | $7,500 |
| **Rent** | $30,000 | $36,000 | $43,200 | $51,840 | $62,208 |
| **Insurance** | $2,400 | $2,880 | $3,456 | $4,147 | $4,977 |
| **Marketing/Promotion** | $6,000 | $7,200 | $8,640 | $10,368 | $12,442 |
| **Utilities/Internet/Phone** | $1,800 | $2,160 | $2,592 | $3,110 | $3,732 |
| **Employees Education** | $0 | $8,000 | $9,600 | $11,520 | $13,824 |
| **Equipment** | $35,000 | $30,000 | $36,000 | $43,200 | $51,840 |
| **Accountant** | $1,800 | $1,800 | $1,800 | $1,800 | $1,800 |
| | | | | | |
| **Total Operating Expenses** | $431,640 | $1,047,413 | $1,437,683 | $1,867,682 | $2,276,848 |
| | | | | | |
| **Profit Before Interest and Taxes** | $89,770 | $129,996 | $289,109 | $364,522 | $478,645 |

| | | | | | |
|---|---|---|---|---|---|
| **EBITDA** | $89,770 | $132,996 | $293,609 | $370,522 | $486,145 |
| **Interest Expense** | $0 | $0 | $0 | $0 | $0 |
| **Taxes Incurred** | $24,238 | $35,099 | $78,059 | $98,421 | $129,234 |
| | | | | | |
| **Net Other Income** | $0 | $0 | $0 | $0 | $0 |
| **Net Profit** | $65,532 | $94,897 | $211,050 | $266,101 | $349,411 |
| Net Profit/Sales | **11.56%** | **7.42%** | **11.24%** | **10.97%** | **11.67%** |

### 7.2.2 Annual Expenses x Sales Chart



### 7.2.3 Annual Profit Chart




## 7.3 Cash Flow Assumptions

RDLP Software LLC is projected to maintain a strong and progressively improving liquidity position throughout the five-year forecast period. The Pro Forma Cash Flow statement reflects consistent operational cash inflows, disciplined expense control, and a structured dividend distribution strategy, all supported exclusively by internally generated revenue. The company does not rely on external financing, loans, or additional capital injections during the projection period.

In Year 1, total cash received from operations is projected at $566,750, derived from a balanced combination of cash sales and receivable collections. Cash sales are projected at $283,375, while collections from receivables are also projected at $283,375, reflecting conservative billing and collection cycle assumptions. Total operational cash inflows are projected to grow steadily, reaching $2,995,102 by Year 5, consistent with projected revenue growth.

No additional cash is expected from non-operating income, borrowing, asset sales, or new investment. This reinforces the company's conservative, self-sustained financial model.

Cash outflows are primarily associated with operational expenditures required to support platform development, workforce expansion, and service delivery. Cash spending related to payroll is projected to increase from $322,400 in Year 1 to $1,925,932 by Year 5, consistent with headcount growth from 4 to 18 professionals.

Bill payments, which include rent, marketing, insurance, utilities, equipment, professional services, and other operating expenses, are projected to increase from $161,582 in Year 1 to $701,084 by Year 5.

As a result, total cash spent on operations is projected to increase from $483,982 in Year 1 to $2,627,016 by Year 5.

The only non-operational cash expenditure included in the forecast is dividend distribution. Dividends are projected at $20,000 in Year 1 and increase progressively to $100,000 in Year 5, reflecting improved profitability and accumulated cash reserves. No debt repayments or capital-intensive asset purchases are assumed.

Total cash expenditures, including operational spending and dividends, are projected to increase from $503,982 in Year 1 to $2,727,016 in Year 5.

Net cash flow remains positive throughout the projection period, beginning at $62,768 in Year 1 and increasing to $268,085 in Year 5. As a result, the company's cash balance is projected to grow steadily from $75,768 at the end of Year 1 to $804,533 by the end of Year 5.

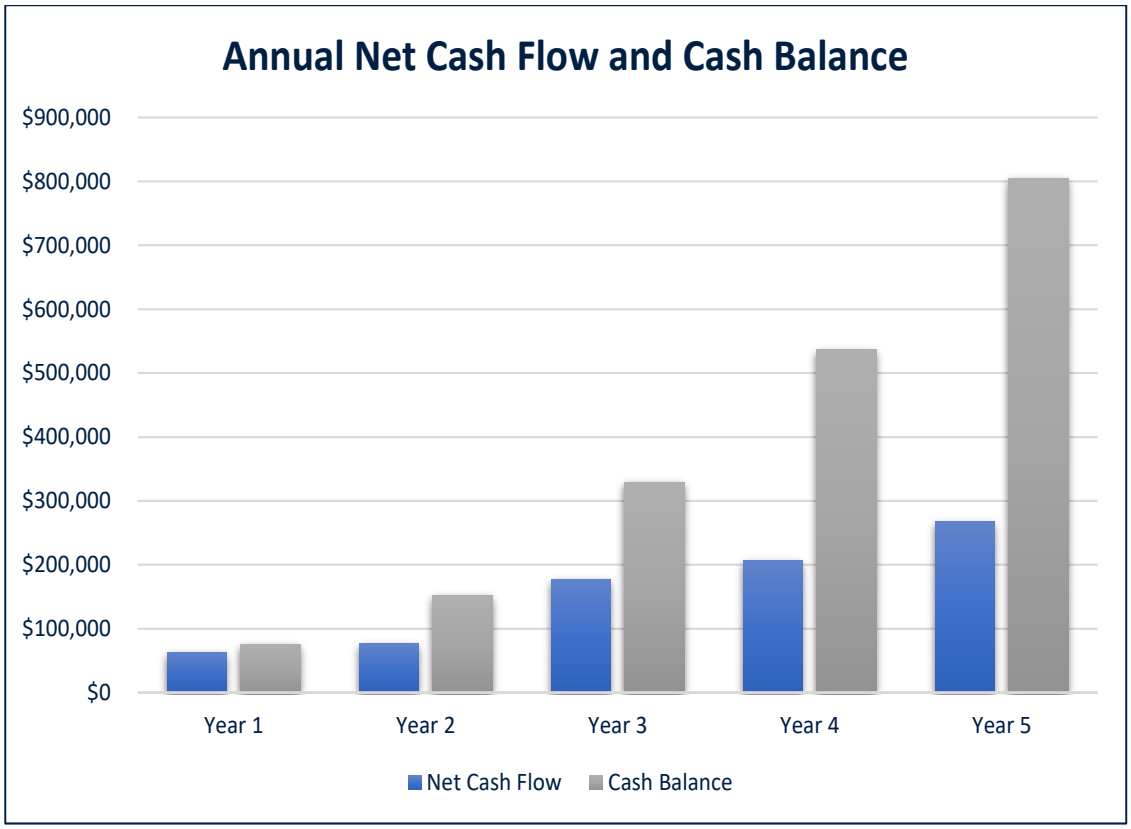
This strengthening liquidity position demonstrates RDLP Software LLC's ability to finance growth, expand operations, support workforce development, and maintain financial resilience without reliance on external capital.

### 7.3.1 Annual Cash Flow Table

| *Pro Forma Cash Flow* | | | | | |
|---|---|---|---|---|---|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| **Cash Received** | | | | | |
| | | | | | |
| **Cash from Operations** | | | | | |
| **Cash Sales** | $283,375 | $639,896 | $938,474 | $1,213,155 | $1,497,551 |
| **Cash from Receivables** | $283,375 | $639,896 | $938,474 | $1,213,155 | $1,497,551 |
| **Subtotal Cash from Operations** | $566,750 | $1,279,793 | $1,876,948 | $2,426,309 | $2,995,102 |
| | | | | | |
| **Additional Cash Received** | | | | | |
| **Non-Operating (Other) Income** | $0 | $0 | $0 | $0 | $0 |
| **Sales Tax, VAT, HST/GST Received** | $0 | $0 | $0 | $0 | $0 |
| **New Current Borrowing** | $0 | $0 | $0 | $0 | $0 |
| **New Other Liabilities (interest-free)** | $0 | $0 | $0 | $0 | $0 |
| **New Long-term Liabilities** | $0 | $0 | $0 | $0 | $0 |
| **Sales of Other Current Assets** | $0 | $0 | $0 | $0 | $0 |
| **Sales of Long-term Assets** | $0 | $0 | $0 | $0 | $0 |
| **New Investment Received** | $0 | $0 | $0 | $0 | $0 |
| **Subtotal Cash Received** | $566,750 | $1,279,793 | $1,876,948 | $2,426,309 | $2,995,102 |
| | | | | | |
| **Expenditures** | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| | | | | | |
| **Expenditures from Operations** | | | | | |
| **Cash Spending** | $322,400 | $869,430 | $1,207,178 | $1,577,906 | $1,925,932 |

| | | | | | |
|---|---|---|---|---|---|
| **Bill Payments** | $161,582 | $304,019 | $442,570 | $566,268 | $701,084 |
| **Subtotal Spent on Operations** | $483,982 | $1,173,449 | $1,649,747 | $2,144,174 | $2,627,016 |
| | | | | | |
| **Additional Cash Spent** | | | | | |
| **Non-Operating (Other) Expense** | $0 | $0 | $0 | $0 | $0 |
| **Sales Tax, VAT, HST/GST Paid Out** | $0 | $0 | $0 | $0 | $0 |
| **Principal Repayment of Current Borrowing** | $0 | $0 | $0 | $0 | $0 |
| **Other Liabilities Principal Repayment** | $0 | $0 | $0 | $0 | $0 |
| **Long-term Liabilities Principal Repayment** | $0 | $0 | $0 | $0 | $0 |
| **Purchase Other Current Assets** | $0 | $0 | $0 | $0 | $0 |
| **Purchase Long-term Assets** | $0 | $0 | $0 | $0 | $0 |
| **Dividends** | $20,000 | $30,000 | $50,000 | $75,000 | $100,000 |
| **Subtotal Cash Spent** | $503,982 | $1,203,449 | $1,699,747 | $2,219,174 | $2,727,016 |
| | | | | | |
| **Net Cash Flow** | $62,768 | $76,343 | $177,201 | $207,135 | $268,085 |
| Cash Balance | **$75,768** | **$152,111** | **$329,312** | **$536,447** | **$804,533** |

### 7.3.2 Annual Net Cash Flow and Cash Balance Chart




## 7.4 Balance Sheet Assumptions

Over the five-year forecast period, RDLP Software LLC's Pro Forma Balance Sheet reflects disciplined financial growth characterized by increasing liquidity, minimal liabilities, and steadily strengthening equity.

**Assets**

The company's asset structure is simple and efficient, consistent with a scalable, technology-driven service model. Current assets consist primarily of cash, which is projected to grow from $75,768 in Year 1 to $804,533 in Year 5, driven by sustained positive net cash flow.

The company does not maintain inventory, and accounts receivable are conservatively modeled as fully collected within operating cycles, resulting in minimal working capital requirements.

Long-term assets remain limited, reflecting the digital nature of operations. Accumulated depreciation increases gradually from $0 in Year 1 to $21,000 by Year 5, associated with equipment and technology investments. Total assets increase from $75,768 in Year 1 to $783,533 in Year 5, driven primarily by cash accumulation.

**Liabilities**

RDLP Software LLC maintains a conservative liability profile. Current liabilities consist solely of accounts payable, which increase gradually from $17,236 in Year 1 to $58,542 in Year 5, reflecting higher operational scale.

The company does not incur short-term borrowing, long-term debt, or interest-bearing liabilities at any point during the forecast period. This results in a debt-free capital structure that enhances financial stability and operational flexibility.

Total liabilities increase moderately from $17,236 in Year 1 to $58,542 in Year 5, remaining proportionate to business growth.

**Capital and Net Worth**

Paid-in capital remains constant at $35,000 throughout the forecast period, representing the founder's initial equity contribution.

Retained earnings begin at a deficit of ($42,000) in Year 1, reflecting startup investment and early-stage expenses. As profitability increases, retained earnings turn positive by Year 3 and reach $340,580 by Year 5.

Annual earnings grow from $65,532 in Year 1 to $349,411 in Year 5, supporting consistent equity growth.

Total capital increases from $58,532 in Year 1 to $724,991 in Year 5. As a result, net worth strengthens proportionally, reaching $724,991 by Year 5.

**Financial Position**

The Pro Forma Balance Sheet demonstrates RDLP Software LLC's disciplined financial structure, characterized by:

- Strong and growing liquidity
- Absence of debt financing
- Controlled liability growth
- Consistent capital accumulation

This financial progression reflects a scalable, internally funded growth model supported by high-margin digital services and structured cost management. The company's balance sheet strengthens steadily over time, reinforcing long-term sustainability and financial resilience.

### 7.4.1 Annual Balance Sheet Table

| *Pro Forma Balance Sheet* | | | | | |
|---|---|---|---|---|---|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| **Assets** | | | | | |
| | | | | | |
| **Current Assets** | | | | | |
| **Cash** | $75,768 | $152,111 | $329,312 | $536,447 | $804,533 |
| **Accounts Receivable** | $0 | $0 | $0 | $0 | $0 |
| **Inventory** | $0 | $0 | $0 | $0 | $0 |
| **Other Current Assets** | $0 | $0 | $0 | $0 | $0 |
| **Total Current Assets** | $75,768 | $152,111 | $329,312 | $536,447 | $804,533 |
| | | | | | |
| **Long-term Assets** | | | | | |
| **Long-term Assets** | $0 | $0 | $0 | $0 | $0 |
| **Accumulated Depreciation** | $0 | $3,000 | $7,500 | $13,500 | $21,000 |
| **Total Long-term Assets** | $0 | ($3,000) | ($7,500) | ($13,500) | ($21,000) |
| **Total Assets** | $75,768 | $149,111 | $321,812 | $522,947 | $783,533 |
| | | | | | |
| **Liabilities and Capital** | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| | | | | | |
| **Current Liabilities** | | | | | |
| **Accounts Payable** | $17,236 | $25,682 | $37,333 | $47,367 | $58,542 |
| **Current Borrowing** | $0 | $0 | $0 | $0 | $0 |
| **Other Current Liabilities** | $0 | $0 | $0 | $0 | $0 |
| **Subtotal Current Liabilities** | $17,236 | $25,682 | $37,333 | $47,367 | $58,542 |
| | | | | | |
| **Long-term Liabilities** | $0 | $0 | $0 | $0 | $0 |
| **Total Liabilities** | $17,236 | $25,682 | $37,333 | $47,367 | $58,542 |
| | | | | | |
| **Paid-in Capital** | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 |
| **Retained Earnings** | ($42,000) | ($6,468) | $38,429 | $174,479 | $340,580 |
| **Earnings** | $65,532 | $94,897 | $211,050 | $266,101 | $349,411 |
| **Total Capital** | $58,532 | $123,429 | $284,479 | $475,580 | $724,991 |
| **Total Liabilities and Capital** | $75,768 | $149,111 | $321,812 | $522,947 | $783,533 |
| | | | | | |
| Net Worth | **$58,532** | **$123,429** | **$284,479** | **$475,580** | **$724,991** |

## 8.0 Mr. Rillian Diello Lucas Pires' National-level Impact

RDLP Software LLC's proposed endeavor is designed to strengthen U.S. preventive health capacity through scalable, technology-enabled exercise safety, chronic-disease risk reduction support, and institution-level wellness integration. By combining AI-powered biomechanical feedback, a professional digital health management platform, specialized preventive-care protocols for higher-risk populations, and corporate or institutional deployments, the company will help reduce avoidable injuries, improve adherence to evidence-based lifestyle interventions,

and expand access to structured wellness resources beyond what in-person-only models can deliver on scale.

**Strengthening U.S. preventive health outcomes through scalable lifestyle support**

A persistent U.S. public health challenge is that a relatively small share of adults meet recommended physical activity guidelines, which increases the long-term burden of chronic disease and avoidable health costs. Public health initiatives such as Healthy People emphasize measurable improvements in prevention-related outcomes, including physical activity and injury prevention, and provide evidence-based resources to support implementation. [26]

RDLP Software LLC's AI-Powered Biomechanical Analysis Subscription and Professional Digital Health Management Platform are structured to reduce the gap between exercise prescription and safe, correct execution, using real-time feedback and structured monitoring to support consistent adherence and reduce preventable injuries that often interrupt training routines and limit engagement.

**Supporting national diabetes-prevention priorities with evidence-based pathways**

The CDC's National Diabetes Prevention Program (National DPP) is a landmark evidence-based lifestyle intervention. CDC materials describe that participation in a structured lifestyle change program can reduce the risk of developing type 2 diabetes by 58% (and 71% for people over age 60). [27]

RDLP Software LLC's Special Population Preventive Care Licensing can be positioned as a practical mechanism to help qualified professionals and organizations implement structured, prevention-oriented protocols for populations at higher risk (including older adults and individuals with metabolic risk factors). The company can also align its reporting and outcomes tracking to recognized program standards and quality expectations referenced by the CDC's Diabetes Prevention Recognition Program (DPRP).

This creates a measurable national value proposition: expanding access to structured lifestyle support, improving consistency of delivery, and enabling better monitoring of participation and progress for prevention-focused interventions.

**Advancing fall-risk reduction for older adults and adults with disabilities**

Falls are a major driver of injury and loss of independence for older adults, and federal initiatives emphasize evidence-based fall-prevention programs. The Administration for Community Living (ACL) maintains evidence-based falls prevention program resources and describes the purpose of improving strength, balance, mobility, and risk-factor reduction. [28]

RDLP Software LLC's preventive-care licensing and professional platform can support standardized movement screening, safer exercise progression, and protocol-driven

[26] https://odphp.health.gov/healthypeople/objectives-and-data/browse-objectives/injury-prevention/reduce-fall-related-deaths-among-older-adults-ivp-08/evidence-based-resources
[27] https://www.cdc.gov/diabetes-prevention/programs/index.html
[28] https://acl.gov/programs/falls-prevention/evidence-based-falls-prevention-programs

programming that is appropriate for older adults and people with limitations, complementing the goals and structure of evidence-based falls prevention programs supported through ACL.

**Improving workforce productivity through corporate and institutional deployments**

Employer and institutional wellness programs are a well-established pathway for improving engagement in healthier behaviors and reducing the productivity impact of preventable health issues. RDLP Software LLC's Corporate and Institutional Wellness Integration service is structured to deliver standardized deployment, onboarding, analytics, and program management for employers, universities, community organizations, and other institutions. This supports national economic interests by improving workforce readiness, reducing avoidable downtime from musculoskeletal injuries, and expanding scalable access to preventive wellness tools across geographies through mobile-first delivery.

**Creating U.S. jobs and building a cross-functional HealthTech workforce**

RDLP Software LLC's operational plan includes a multi-disciplinary U.S. team combining software engineering, AI/computer vision, clinical oversight, protocol development, sales, marketing, administration, and customer success, scaling to 18 professionals by Year 5. This workforce structure supports a national-interest narrative beyond revenue by building domestic capacity at the intersection of digital health, preventive care operations, and applied AI-enabled wellness delivery. This approach expands U.S. expertise in high-demand fields while supporting local and national job creation through a scalable platform business model.

**Why this rises to national importance**

RDLP Software LLC's national-level impact is based on measurable alignment with U.S. prevention priorities and the ability to scale outcomes across states, institutions, and employer networks. The endeavor is not limited to one local market because the core services are delivered digitally, can be deployed nationally, and can support established U.S. prevention pathways, including:

1. CDC-recognized lifestyle prevention frameworks for diabetes risk reduction.[29]
2. Federal evidence-based fall-prevention initiatives and program infrastructure.[30]
3. Healthy People evidence-based prevention resources that support scalable, replicable interventions.[31]

By enabling safer physical activity execution, expanding structured monitoring and adherence support, and supporting institutions that serve high-risk groups, RDLP Software LLC is positioned to contribute to U.S. public health capacity, workforce productivity, and preventive-care scalability.

[29] https://www.cdc.gov/diabetes-prevention/programs/index.html
[30] https://acl.gov/programs/falls-prevention/evidence-based-falls-prevention-programs
[31] https://odphp.health.gov/healthypeople/objectives-and-data/browse-objectives/injury-prevention/reduce-fall-related-deaths-among-older-adults-ivp-08/evidence-based-resources

## 9.0 Indirect jobs creation - Economic Policy Institute

Each industry has backward linkages to economic sectors that provide the materials needed for the industry's output, just as each industry has forward linkages to the economic sectors where the industry's workers spend their income. Therefore, in addition to the jobs directly supported by an industry, a large number of indirect jobs may also be supported by that industry. The subtraction or addition of jobs and output in industries with strong backward and forward linkages to other economic sectors can cause large ripple effects.

According to the national job multipliers published by the Economy Policy Institute (EPI) on January 23, 2019,[32] 100 direct jobs in the Computer system design, and related services industry generate a total of 283.4 total indirect jobs, as demonstrated in the following table:

**Employment multipliers per 100 direct jobs, all private-sector industries**

| | Industry | Direct jobs | Supplier jobs* | Induced jobs** | Total indirect jobs |
|---|---|---|---|---|---|
| | ***Professional, scientific, and technical services*** | | | | |
| ***125*** | Legal services | 100.0 | 89.2 | 111.3 | 200.5 |
| ***126*** | Accounting, tax preparation, bookkeeping, and payroll services | 100.0 | 52.0 | 81.3 | 133.4 |
| ***127*** | Architectural, engineering, and related services | 100.0 | 90.0 | 114.1 | 204.1 |
| ***128*** | Specialized design services | 100.0 | 67.5 | 97.4 | 164.9 |
| ***129*** | Computer systems design and related services | 100.0 | 134.1 | 149.3 | 283.4 |
| ***130*** | Management, scientific, and technical consulting services | 100.0 | 91.1 | 116.5 | 207.6 |
| ***131*** | Scientific research and development services | 100.0 | 519.3 | 323.7 | 842.9 |
| ***132*** | Advertising, public relations, and related services | 100.0 | 460.9 | 270.7 | 731.6 |
| ***133*** | Other professional, scientific, and technical services | 100.0 | 70.8 | 83.6 | 154.3 |

***Since Mr. Pires will create 18 direct jobs by the end of Year 5, the total number of indirect jobs to be generated in the same period will reach 51 according to the multipliers provided by the EPI.*** In addition to its in-house team, RDLP Software LLC will hire a number of independent contractors on a project basis, including legal professionals and technicians. Additionally, the company will mediate in the hiring of professionals that will perform services that are deemed to be required. Therefore, the company will stimulate the employment of a number of workers of different profiles. Furthermore, the company will hire an outsourced marketing company to develop its website and work with marketing campaigns.

The direct and indirect job creation by RDLP Software LLC, as well as the utilization of independent contractors and outsourced services, will have a significant positive impact on the local and national economy, fostering job growth, generating income, and contributing to overall economic prosperity.

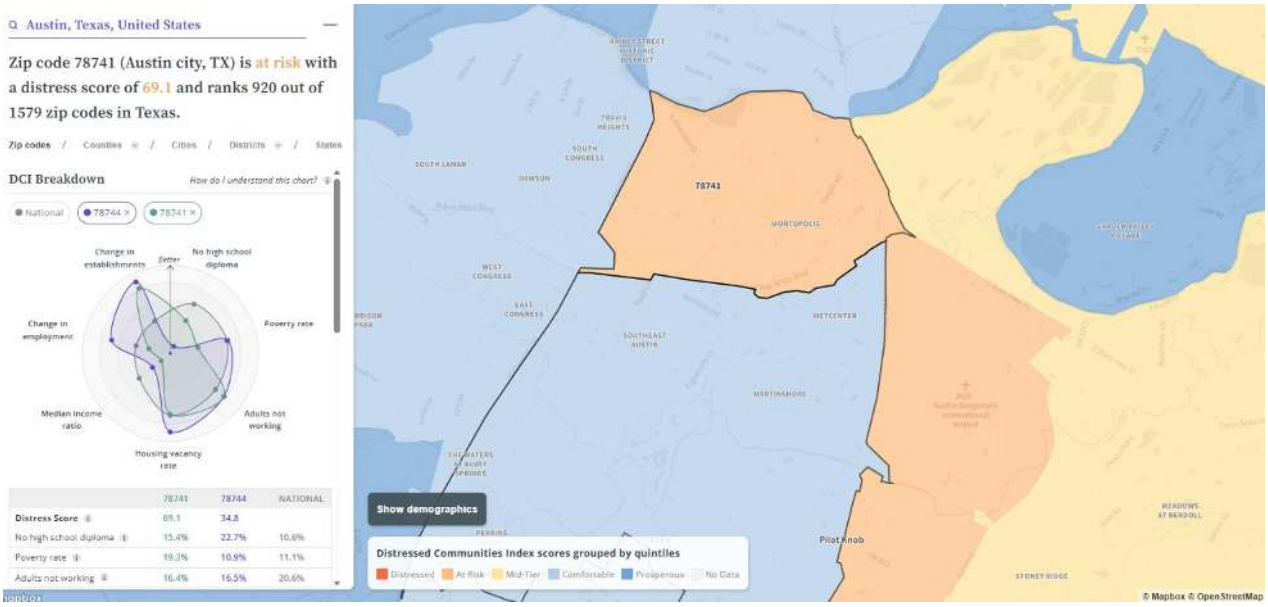
In conclusion, RDLP Software LLC's expansion plans, under the leadership of Mr. Rillian Diello Lucas Pires, encompass the creation of direct and indirect employment opportunities, the

[32] https://www.epi.org/publication/updated-employment-multipliers-for-the-u-s-economy/

payment of substantial taxes, and the utilization of local resources and services. By contributing to job creation, tax revenue, and economic growth, RDLP Software LLC aims to make a lasting and positive impact on both the local community and the broader U.S. economy.

## 9.1 Distressed Communities

This section presents an analysis of the demographic and socioeconomic conditions in Austin, Texas, which has been identified as an economically at-risk area according to the Distressed Communities Index (DCI). Austin has a DCI score of 69.1 and ranks 920 out of 1,579 ZIP codes in Texas, indicating elevated socioeconomic vulnerability compared to statewide and national benchmarks. These conditions highlight both structural challenges and opportunities for targeted economic and workforce-oriented initiatives.[33]




**Demographic and Socioeconomic Profile**

- **DCI Score and Economic Distress:** A distress score of 69.1 places Austin in the "at risk" category, reflecting persistent economic pressure, income disparities, and employment instability that affect households and local institutions.
- **Demographics:** The population of Austin is ethnically diverse. Hispanic or Latino residents represent approximately 49.1% of the population, followed by Non-Hispanic Whites (34.8%), Black or African-American residents (8.2%), and Asian or Pacific Islander residents (4.1%). This diversity underscores the importance of inclusive economic and workforce strategies tailored to a multicultural community.
- **Education Levels:** Educational attainment in the area reveals notable gaps. Approximately 15.4% of adults lack a high school diploma, which is higher than the national average of 10.6%. At the same time, 26.2% hold a high school diploma, 28.2% have some college

[33] https://eig.org/distressed-communities-interactive/?regions%5B0%5D=78744&regions%5B1%5D=78741&geo=zctas&lat=30.22&lon=-97.69&z=12.11

education, and 35.0% possess a bachelor's degree or higher. This distribution indicates a mixed-skilled workforce with both upskilling needs and professional talent potential.

- **Employment Conditions:** About 16.4% of adults are not working, reflecting underutilized labor capacity. The area has experienced a −6.8% change in employment, signaling challenges in job stability and sustained employment growth, despite broader economic activity in the Austin metropolitan region.
- **Income and Poverty Indicators:** The median income ratio stands at 68.0% of the national average, indicating reduced household purchasing power. The poverty rate is 19.3%, significantly higher than the national benchmark of 11.1%, demonstrating ongoing economic vulnerability among residents.
- **Housing and Vacancy Rates:** Austin has a housing vacancy rate of 7.2%, slightly above the national average of 7.0%, suggesting moderate housing turnover and potential instability within the residential market.

**Business and Economic Development Implications**

- **Workforce Development Potential:** The combination of underemployment and diverse educational attainment presents opportunities for businesses to invest in training, reskilling, and entry-level professional development, particularly in high-demand sectors such as technology and digital services.
- **Access to Skilled and Emerging Talent:** The presence of residents with some college education and bachelor's degrees indicates a base of individuals who could transition into skilled technical roles with targeted training and mentorship.
- **Community Engagement Opportunities:** Businesses operating in or serving Austin can generate positive economic impact by aligning operations with inclusive hiring, workforce training, and community engagement initiatives, strengthening both social and economic outcomes.
- **Economic Incentives and Policy Alignment:** At-risk communities such as Austin may qualify for local, state, or federal economic development incentives, making business investment more financially viable while supporting broader public policy goals.
- **Strategic Fit for Workforce-Oriented Businesses:** Companies that combine technical services with education, workforce development, and employment pathways are particularly well positioned to operate in this area, addressing both market needs and socioeconomic challenges.

Austin, Texas presents a complex mix of economic challenges and development opportunities. While the area faces elevated poverty levels, income disparities, and employment instability, it also offers meaningful potential for workforce development, job creation, and inclusive economic growth. Businesses that align their strategies with local demographic realities, invest in skill-building initiatives, and contribute to sustainable employment can play a constructive role in strengthening community resilience while achieving long-term operational success.

RDLP Software LLC

# APPENDIX

## Monthly Sales Forecast Table

| *Sales Forecast* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 | Month 8 | Month 9 | Month 10 | Month 11 | Month 12 |
| **Unit Sales** | | | | | | | | | | | | | |
| **AI Biomechanical Subscription** | | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| **Professional Platform** | | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 |
| **Preventive Care Licensing** | | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| **Corporate Wellness Integration** | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| **Total Unit Sales** | | 225 | 275 | 326 | 375 | 425 | 476 | 526 | 576 | 625 | 676 | 726 | 775 |
| | | | | | | | | | | | | | |
| **Unit Prices** | | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 | Month 8 | Month 9 | Month 10 | Month 11 | Month 12 |
| **AI Biomechanical Subscription** | | $35.00 | $35.00 | $35.00 | $35.00 | $35.00 | $35.00 | $35.00 | $35.00 | $35.00 | $35.00 | $35.00 | $35.00 |
| **Professional Platform** | | $120.00 | $120.00 | $120.00 | $120.00 | $120.00 | $120.00 | $120.00 | $120.00 | $120.00 | $120.00 | $120.00 | $120.00 |
| **Preventive Care Licensing** | | $15,000.00 | $15,000.00 | $15,000.00 | $15,000.00 | $15,000.00 | $15,000.00 | $15,000.00 | $15,000.00 | $15,000.00 | $15,000.00 | $15,000.00 | $15,000.00 |
| **Corporate Wellness Integration** | | $40,000.00 | $40,000.00 | $40,000.00 | $40,000.00 | $40,000.00 | $40,000.00 | $40,000.00 | $40,000.00 | $40,000.00 | $40,000.00 | $40,000.00 | $40,000.00 |
| | | | | | | | | | | | | | |
| **Sales** | | | | | | | | | | | | | |
| **AI Biomechanical Subscription** | | $5,250 | $6,125 | $7,000 | $7,875 | $8,750 | $9,625 | $10,500 | $11,375 | $12,250 | $13,125 | $14,000 | $14,875 |
| **Professional Platform** | | $9,000 | $12,000 | $15,000 | $18,000 | $21,000 | $24,000 | $27,000 | $30,000 | $33,000 | $36,000 | $39,000 | $42,000 |
| **Preventive Care Licensing** | | $0 | $0 | $15,000 | $0 | $0 | $15,000 | $0 | $15,000 | $0 | $0 | $15,000 | $0 |
| **Corporate Wellness Integration** | | $0 | $0 | $0 | $0 | $0 | $0 | $40,000 | $0 | $0 | $40,000 | $0 | $0 |
| **Total Sales** | | $14,250 | $18,125 | $37,000 | $25,875 | $29,750 | $48,625 | $77,500 | $56,375 | $45,250 | $89,125 | $68,000 | $56,875 |
| | | | | | | | | | | | | | |
| **Direct Unit Costs** | | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 | Month 8 | Month 9 | Month 10 | Month 11 | Month 12 |
| **AI Biomechanical Subscription** | 8.00% | $2.80 | $2.80 | $2.80 | $2.80 | $2.80 | $2.80 | $2.80 | $2.80 | $2.80 | $2.80 | $2.80 | $2.80 |
| **Professional Platform** | 8.00% | $9.60 | $9.60 | $9.60 | $9.60 | $9.60 | $9.60 | $9.60 | $9.60 | $9.60 | $9.60 | $9.60 | $9.60 |
| **Preventive Care Licensing** | 8.00% | $1,200.00 | $1,200.00 | $1,200.00 | $1,200.00 | $1,200.00 | $1,200.00 | $1,200.00 | $1,200.00 | $1,200.00 | $1,200.00 | $1,200.00 | $1,200.00 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Corporate Wellness Integration** | 8.00% | $3,200.00 | $3,200.00 | $3,200.00 | $3,200.00 | $3,200.00 | $3,200.00 | $3,200.00 | $3,200.00 | $3,200.00 | $3,200.00 | $3,200.00 | $3,200.00 |
| | | | | | | | | | | | | | |
| **Direct Cost of Sales** | | | | | | | | | | | | | |
| **AI Biomechanical Subscription** | | $420 | $490 | $560 | $630 | $700 | $770 | $840 | $910 | $980 | $1,050 | $1,120 | $1,190 |
| **Professional Platform** | | $720 | $960 | $1,200 | $1,440 | $1,680 | $1,920 | $2,160 | $2,400 | $2,640 | $2,880 | $3,120 | $3,360 |
| **Preventive Care Licensing** | | $0 | $0 | $1,200 | $0 | $0 | $1,200 | $0 | $1,200 | $0 | $0 | $1,200 | $0 |
| **Corporate Wellness Integration** | | $0 | $0 | $0 | $0 | $0 | $0 | $3,200 | $0 | $0 | $3,200 | $0 | $0 |
| Subtotal Direct Cost of Sales | | **$1,140** | **$1,450** | **$2,960** | **$2,070** | **$2,380** | **$3,890** | **$6,200** | **$4,510** | **$3,620** | **$7,130** | **$5,440** | **$4,550** |

## Monthly Personnel Plan Table

| *Personnel Plan* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 | Month 8 | Month 9 | Month 10 | Month 11 | Month 12 |
| **Founder & Chief Technology Officer (CTO) - Mr. Rillian Diello Lucas Pires** | | $0 | $6,000 | $6,000 | $8,000 | $8,000 | $10,000 | $10,000 | $10,000 | $12,000 | $12,000 | $14,000 | $14,000 |
| **Software Engineer (Full-time)** | | $0 | $0 | $9,600 | $9,600 | $9,600 | $9,600 | $9,600 | $9,600 | $9,600 | $9,600 | $9,600 | $9,600 |
| **Clinical Consultant** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Backend Engineers** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Mobile Engineer** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **AI/Computer Vision Engineer** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Clinical Protocol Specialist** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Account Executives** | | $7,200 | $7,200 | $7,200 | $7,200 | $7,200 | $7,200 | $7,200 | $7,200 | $7,200 | $7,200 | $7,200 | $7,200 |
| **Marketing Specialist** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Sales Manager** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Administrative/Finance Coordinator** | | $0 | $0 | $0 | $0 | $0 | $0 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 |
| **Customer Success** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Total People** | | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | | | | | | | | | | | | |
| Total Payroll | | **$7,200** | **$13,200** | **$22,800** | **$24,800** | **$24,800** | **$26,800** | **$31,800** | **$31,800** | **$33,800** | **$33,800** | **$35,800** | **$35,800** |

RDLP Software LLC

## Monthly Profit and Loss Table

| *Pro Forma Profit and Loss* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 | Month 8 | Month 9 | Month 10 | Month 11 | Month 12 |
| **Sales** | | $14,250 | $18,125 | $37,000 | $25,875 | $29,750 | $48,625 | $77,500 | $56,375 | $45,250 | $89,125 | $68,000 | $56,875 |
| **Direct Cost of Sales** | | $1,140 | $1,450 | $2,960 | $2,070 | $2,380 | $3,890 | $6,200 | $4,510 | $3,620 | $7,130 | $5,440 | $4,550 |
| **Other Costs of Sales** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Total Cost of Sales** | | $1,140 | $1,450 | $2,960 | $2,070 | $2,380 | $3,890 | $6,200 | $4,510 | $3,620 | $7,130 | $5,440 | $4,550 |
| | | | | | | | | | | | | | |
| **Gross Margin** | | $13,110 | $16,675 | $34,040 | $23,805 | $27,370 | $44,735 | $71,300 | $51,865 | $41,630 | $81,995 | $62,560 | $52,325 |
| **Gross Margin %** | | 92.00% | 92.00% | 92.00% | 92.00% | 92.00% | 92.00% | 92.00% | 92.00% | 92.00% | 92.00% | 92.00% | 92.00% |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| **Expenses** | | | | | | | | | | | | | |
| **Payroll** | | $7,200 | $13,200 | $22,800 | $24,800 | $24,800 | $26,800 | $31,800 | $31,800 | $33,800 | $33,800 | $35,800 | $35,800 |
| **Payroll Taxes** | 10% | $720 | $1,320 | $2,280 | $2,480 | $2,480 | $2,680 | $3,180 | $3,180 | $3,380 | $3,380 | $3,580 | $3,580 |
| **Depreciation** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Rent** | | $2,500 | $2,500 | $2,500 | $2,500 | $2,500 | $2,500 | $2,500 | $2,500 | $2,500 | $2,500 | $2,500 | $2,500 |
| **Insurance** | | $200 | $200 | $200 | $200 | $200 | $200 | $200 | $200 | $200 | $200 | $200 | $200 |
| **Marketing/Promotion** | | $500 | $500 | $500 | $500 | $500 | $500 | $500 | $500 | $500 | $500 | $500 | $500 |
| **Utilities/Internet/Phone** | | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 |
| **Employees Education** | 0% | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Equipment** | 0% | $0 | $0 | $0 | $0 | $0 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 | $5,000 |
| **Accountant** | 0% | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 | $150 |
| | | | | | | | | | | | | | |
| **Total Operating Expenses** | | $11,420 | $18,020 | $28,580 | $30,780 | $30,780 | $37,980 | $43,480 | $43,480 | $45,680 | $45,680 | $47,880 | $47,880 |
| | | | | | | | | | | | | | |
| **Profit Before Interest and Taxes** | | $1,690 | ($1,345) | $5,460 | ($6,975) | ($3,410) | $6,755 | $27,820 | $8,385 | ($4,050) | $36,315 | $14,680 | $4,445 |
| **EBITDA** | | $1,690 | ($1,345) | $5,460 | ($6,975) | ($3,410) | $6,755 | $27,820 | $8,385 | ($4,050) | $36,315 | $14,680 | $4,445 |
| **Interest Expense** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Taxes Incurred** | | $456 | ($363) | $1,474 | ($1,883) | ($921) | $1,824 | $7,511 | $2,264 | ($1,094) | $9,805 | $3,964 | $1,200 |
| | | | | | | | | | | | | | |
| **Net Other Income** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Net Profit** | | $1,234 | ($982) | $3,986 | ($5,092) | ($2,489) | $4,931 | $20,309 | $6,121 | ($2,957) | $26,510 | $10,716 | $3,245 |
| Net Profit/Sales | | **8.66%** | **-5.42%** | **10.77%** | **-19.68%** | **-8.37%** | **10.14%** | **26.20%** | **10.86%** | **-6.53%** | **29.74%** | **15.76%** | **5.71%** |

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## Monthly Cash Flow Table

| *Pro Forma Cash Flow* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 | Month 8 | Month 9 | Month 10 | Month 11 | Month 12 |
| **Cash Received** | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| **Cash from Operations** | | | | | | | | | | | | | |
| **Cash Sales** | | $7,125 | $9,063 | $18,500 | $12,938 | $14,875 | $24,313 | $38,750 | $28,188 | $22,625 | $44,563 | $34,000 | $28,438 |
| **Cash from Receivables** | | $7,125 | $9,063 | $18,500 | $12,938 | $14,875 | $24,313 | $38,750 | $28,188 | $22,625 | $44,563 | $34,000 | $28,438 |
| **Subtotal Cash from Operations** | | $14,250 | $18,125 | $37,000 | $25,875 | $29,750 | $48,625 | $77,500 | $56,375 | $45,250 | $89,125 | $68,000 | $56,875 |
| | | | | | | | | | | | | | |
| **Additional Cash Received** | | | | | | | | | | | | | |
| **Non Operating (Other) Income** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Sales Tax, VAT, HST/GST Received** | 0.00% | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **New Current Borrowing** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **New Other Liabilities (interest-free)** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **New Long-term Liabilities** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Sales of Other Current Assets** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Sales of Long-term Assets** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **New Investment Received** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Subtotal Cash Received** | | $14,250 | $18,125 | $37,000 | $25,875 | $29,750 | $48,625 | $77,500 | $56,375 | $45,250 | $89,125 | $68,000 | $56,875 |
| | | | | | | | | | | | | | |
| **Expenditures** | | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 | Month 8 | Month 9 | Month 10 | Month 11 | Month 12 |
| | | | | | | | | | | | | | |
| **Expenditures from Operations** | | | | | | | | | | | | | |
| **Cash Spending** | | $7,200 | $13,200 | $22,800 | $24,800 | $24,800 | $26,800 | $31,800 | $31,800 | $33,800 | $33,800 | $35,800 | $35,800 |
| **Bill Payments** | | $194 | $5,819 | $6,050 | $10,079 | $6,209 | $7,754 | $17,177 | $25,160 | $18,319 | $14,887 | $28,571 | $21,362 |
| **Subtotal Spent on Operations** | | $7,394 | $19,019 | $28,850 | $34,879 | $31,009 | $34,554 | $48,977 | $56,960 | $52,119 | $48,687 | $64,371 | $57,162 |
| | | | | | | | | | | | | | |
| **Additional Cash Spent** | | | | | | | | | | | | | |
| **Non Operating (Other) Expense** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Sales Tax, VAT, HST/GST Paid Out** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Principal Repayment of Current Borrowing** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Other Liabilities Principal Repayment** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Long-term Liabilities Principal Repayment** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Purchase Other Current Assets** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Purchase Long-term Assets** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Dividends** | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 |
| **Subtotal Cash Spent** | | $7,394 | $19,019 | $28,850 | $34,879 | $31,009 | $34,554 | $48,977 | $56,960 | $52,119 | $48,687 | $64,371 | $77,162 |
| | | | | | | | | | | | | | |
| **Net Cash Flow** | | $6,856 | ($894) | $8,150 | ($9,004) | ($1,259) | $14,071 | $28,523 | ($585) | ($6,869) | $40,438 | $3,629 | ($20,287) |
| **Cash Balance** | | **$19,856** | **$18,962** | **$27,111** | **$18,107** | **$16,848** | **$30,918** | **$59,441** | **$58,856** | **$51,987** | **$92,425** | **$96,055** | **$75,768** |

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## Monthly Balance Sheet Table

| *Pro Forma Balance Sheet* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 | Month 8 | Month 9 | Month 10 | Month 11 | Month 12 |
| **Assets** | Starting Balances | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| **Current Assets** | | | | | | | | | | | | | |
| **Cash** | $13,000 | $19,856 | $18,962 | $27,111 | $18,107 | $16,848 | $30,918 | $59,441 | $58,856 | $51,987 | $92,425 | $96,055 | $75,768 |
| **Accounts Receivable** | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Inventory** | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Other Current Assets** | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Total Current Assets** | $13,000 | $19,856 | $18,962 | $27,111 | $18,107 | $16,848 | $30,918 | $59,441 | $58,856 | $51,987 | $92,425 | $96,055 | $75,768 |
| | | | | | | | | | | | | | |
| **Long-term Assets** | | | | | | | | | | | | | |
| **Long-term Assets** | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Accumulated Depreciation** | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Total Long-term Assets** | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Total Assets** | $13,000 | $19,856 | $18,962 | $27,111 | $18,107 | $16,848 | $30,918 | $59,441 | $58,856 | $51,987 | $92,425 | $96,055 | $75,768 |
| | | | | | | | | | | | | | |
| **Liabilities and Capital** | | Month 1 | Month 2 | Month 3 | Month 4 | Month 5 | Month 6 | Month 7 | Month 8 | Month 9 | Month 10 | Month 11 | Month 12 |
| | | | | | | | | | | | | | |
| **Current Liabilities** | | | | | | | | | | | | | |
| **Accounts Payable** | $0 | $5,622 | $5,710 | $9,874 | $5,961 | $7,191 | $16,331 | $24,545 | $17,839 | $13,926 | $27,855 | $20,767 | $17,236 |
| **Current Borrowing** | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Other Current Liabilities** | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Subtotal Current Liabilities** | $0 | $5,622 | $5,710 | $9,874 | $5,961 | $7,191 | $16,331 | $24,545 | $17,839 | $13,926 | $27,855 | $20,767 | $17,236 |
| | | | | | | | | | | | | | |
| **Long-term Liabilities** | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Total Liabilities** | $0 | $5,622 | $5,710 | $9,874 | $5,961 | $7,191 | $16,331 | $24,545 | $17,839 | $13,926 | $27,855 | $20,767 | $17,236 |
| | | | | | | | | | | | | | |
| **Paid-in Capital** | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 | $35,000 |
| **Retained Earnings** | ($22,000) | ($22,000) | ($22,000) | ($22,000) | ($22,000) | ($22,000) | ($22,000) | ($22,000) | ($22,000) | ($22,000) | ($22,000) | ($22,000) | ($42,000) |
| **Earnings** | $0 | $1,234 | $252 | $4,238 | ($854) | ($3,343) | $1,588 | $21,896 | $28,017 | $25,061 | $51,571 | $62,287 | $65,532 |
| **Total Capital** | $13,000 | $14,234 | $13,252 | $17,238 | $12,146 | $9,657 | $14,588 | $34,896 | $41,017 | $38,061 | $64,571 | $75,287 | $58,532 |
| **Total Liabilities and Capital** | $13,000 | $19,856 | $18,962 | $27,111 | $18,107 | $16,848 | $30,918 | $59,441 | $58,856 | $51,987 | $92,425 | $96,055 | $75,768 |
| | | | | | | | | | | | | | |
| Net Worth | **$13,000** | **$14,234** | **$13,252** | **$17,238** | **$12,146** | **$9,657** | **$14,588** | **$34,896** | **$41,017** | **$38,061** | **$64,571** | **$75,287** | **$58,532** |

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# HHS JOINS THE GENESIS MISSION TO END AMERICA'S CHRONIC DISEASE EPIDEMIC

**WASHINGTON — JULY 22, 2026 —** The U.S. Department of Health and Human Services (HHS) today announced new efforts to support President Donald J. Trump's Genesis Mission, aligning expertise and capabilities across the Department to harness artificial intelligence in support of biomedical research and accelerate discoveries that improve the health of the American people. These efforts advance a key priority of Secretary Robert F. Kennedy, Jr. to address the nation's chronic disease epidemic, a prime focus of the MAHA Strategy [PDF, 21.85 MB] unveiled by the Trump Administration in September 2025.

"America will lead the next generation of medical discovery by harnessing the power of artificial intelligence," **said Secretary Kennedy.** "We are mobilizing the nation's best researchers to uncover the root causes of chronic disease, accelerate lifesaving breakthroughs, and help Make America Healthy Again."

Working in partnership with the White House Office of Science and Technology Policy (OSTP) , HHS will launch a series of National Science and Technology Challenges that invite America's scientific community to apply next-generation artificial intelligence to some of the nation's most urgent health challenges. The flagship challenge will focus on identifying the root causes of chronic disease; additional challenges will accelerate research on pediatric cancer and transform drug discovery and development.

Launched by President Trump in November 2025, the Genesis Mission will usher in a new era of American scientific discovery by harnessing artificial intelligence, advanced computing, and the Nation's unparalleled research enterprise to solve some of humanity's greatest challenges. As the Genesis Mission platform is developed, HHS will help shape its biomedical capabilities by contributing diverse scientific datasets and rallying researchers to explore how AI can accelerate breakthroughs that improve the health of the American people.

The centerpiece of HHS' participation in the Genesis Mission is a government-wide effort — the NIH-led Bio Genesis Mission — which will use artificial intelligence, advanced computing, and cross-sector partnerships to modernize the biomedical research ecosystem and cut in half the time it takes for scientific discoveries to reach patients. By applying advanced AI tools to large and complex datasets with appropriate security and privacy protection spanning multiple scientific disciplines, researchers will be challenged to uncover previously unseen patterns, generate new hypotheses, and identify promising pathways for prevention and treatment.

"Patients living with cancer, chronic disease, and rare conditions cannot afford to wait decades for scientific discoveries to reach them," **said NIH Director Dr. Jay Bhattacharya.** "Through the Bio Genesis Mission, we are harnessing artificial intelligence and advanced computing to help researchers uncover the root causes of disease, accelerate the development of new treatments, and build a biomedical

research ecosystem that delivers lifesaving innovations to patients faster, while upholding the rigorous scientific standards and responsible stewardship that earn the public's trust."

HHS agencies, including NIH, FDA, and ARPA-H, will contribute a broad range of scientific resources to support these efforts, including biomedical research, genomics, public health, and safety data. These rich datasets, combined with the Genesis Mission's advanced computing capabilities, will help researchers analyze information at a scale and speed that has never before been possible.

In addition to the chronic disease challenge, HHS will launch research challenges focused on:

- Accelerating breakthroughs in pediatric cancer research by identifying new biological insights and therapeutic opportunities.
- Transforming drug discovery and development by using AI to shorten development timelines, identify promising therapeutic targets, and bring safe, effective treatments to patients faster.

Together, these efforts will help demonstrate how artificial intelligence can strengthen America's biomedical research enterprise by enabling scientists to generate hypotheses more rapidly, analyze enormous volumes of data, and accelerate discoveries that otherwise could take years using traditional approaches.

By combining America's world-class researchers with cutting-edge AI and computing infrastructure, the Department aims to unlock discoveries that improve health, reduce the burden of chronic disease, and position the United States as the global leader in AI-driven biomedical innovation.

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# MAHA COMMISSION UNVEILS SWEEPING STRATEGY TO MAKE OUR CHILDREN HEALTHY AGAIN

**WASHINGTON—SEPTEMBER 9, 2025—**The Make America Healthy Again Commission today released the Make Our Children Healthy Again Strategy, a sweeping plan with more than 120 initiatives to reverse the failed policies that fueled America's childhood chronic disease epidemic. The strategy outlines targeted executive actions to advance gold-standard science, realign incentives, increase public awareness, and strengthen private-sector collaboration.

Chaired by U.S. Health and Human Services Secretary Robert F. Kennedy Jr., the Commission is tasked with investigating and addressing the root causes of America's escalating health crisis, with a focus on childhood chronic diseases.

"The Trump Administration is mobilizing every part of government to confront the childhood chronic disease epidemic," **Secretary Kennedy said.** "This strategy represents the most sweeping reform agenda in modern history—realigning our food and health systems, driving education, and unleashing science to protect America's children and families. We are ending the corporate capture of public health, restoring transparency, and putting gold-standard science—not special interests—at the center of every decision."

"Today's MAHA Commission report is another historic milestone for our country and a testament to President Trump's leadership and commitment to Make America Healthy Again," **said U.S. Secretary of Agriculture Brooke L. Rollins.** "America's farmers and ranchers are at the heart of the solution — alongside doctors, parents, and communities - to fight chronic disease and protect future generations. Under this Administration, we are not just talking about healthy outcomes; we are delivering them by securing voluntary commitments to remove artificial food dye from major brands, providing technical assistance to States interested in restricting junk food and soda from SNAP, and providing growers with new tools to maintain and improve soil health, including the introduction of a regenerative farming practice pilot program. Together with our partners at HHS and EPA, we are charting a new course, strengthening the health of our families, and ensuring the United States leads the world with the safest, strongest, and most abundant food supply."

**Key Focus Areas of the Strategy:**

**Restoring Science & Research:** Expanding NIH and agency research into chronic disease prevention, nutrition and metabolic health, food quality, environmental exposures, autism, gut microbiome, precision agriculture, rural and tribal health, vaccine injury, and mental health.

**Historic Executive Actions:** Reforming dietary guidelines; defining ultra-processed foods; improving food labeling; closing the GRAS loophole; raising infant formula standards; removing harmful chemicals from the food supply; increasing oversight and enforcement of direct-to-consumer prescription drug advertising laws; improving food served in schools, hospitals, and to veterans; and reforming Medicaid quality metrics to measure health outcomes.

**Process Reform & Deregulation:** Streamlining organic certification; easing barriers to farm-to-school programs and direct-to-consumer sales; restoring whole milk in schools; supporting mobile grocery and processing units; modernizing FDA drug and device approval; and accelerating EPA approvals for innovative agricultural products.

**Public Awareness & Education:** Launching school-based nutrition and fitness campaigns, Surgeon General initiatives on screen time, prioritizing pediatric mental health, and expanding access to reliable nutrition and health information for parents.

**Private Sector Collaboration:** Promoting awareness of healthier meals at restaurants, soil health and land stewardship, and community-led initiatives, and scaling innovative solutions to address root causes of chronic disease.

With this strategy, the MAHA Commission leads the most ambitious national effort ever to confront childhood chronic disease and Make America Healthy Again.

“Protecting human health and the environment while powering America's comeback isn’t just about serving Americans today; it’s about ensuring future generations inherit clean air, land, water, and the foundation for healthy lives,” **EPA Administrator Zeldin said.** “The Make America Healthy Again strategy outlines the keys to success from pro-growth policies that advance research and drive innovation to private sector collaboration and increased public awareness. I look forward to continuing to work collaboratively across the federal family to ensure our kids and our environment are protected.”

“For too long health care has used a reactive approach to chronic diseases,” **FDA Commissioner Dr. Marty Makary said.** “I am pleased to support the findings of the MAHA commission and to promote a more proactive approach, tackling root causes

undermining the health and happiness of American children."

"The MAHA Report provides a blueprint for the entire government to focus on solving the chronic disease crisis facing American children," **NIH Director Dr. Jay Bhattacharya said.** "We must make America healthy again so our children live longer and healthier lives than we will."

Today's MAHA Commission press event included: HHS Secretary Robert F. Kennedy, Jr., DPC Director Vince Haley, USDA Secretary Brooke Rollins, EPA Administrator Lee Zeldin, NIH Director Dr. Jay Bhattacharya, FDA Commissioner Dr. Marty Makary, HHS Deputy Secretary Jim O'Neill, NEC Director Kevin Hassett, CEA Vice Chair Pierre Yared, and OSTP Director Michael Kratsios.

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# HHS ANNOUNCES REQUEST FOR INFORMATION TO HARNESS ARTIFICIAL INTELLIGENCE TO DEFLATE HEALTH CARE COSTS AND MAKE AMERICA HEALTHY AGAIN

*HHS to use regulation, reimbursement, and research & development levers to enable AI adoption and use in clinical care to evolve and propel the US health care system forward*

Today, advancing President Trump's commitment to ensuring American leadership in Artificial Intelligence (AI) and Secretary Kennedy's vision to Make America Healthy Again, the U.S. Department of Health and Human Services (HHS) announced the release of a Request for Information (RFI) seeking broad public input on how HHS can accelerate the adoption and use of artificial intelligence as part of clinical care for all Americans.

Through this RFI, HHS is inviting stakeholders to provide feedback on how the Department can use its regulatory, reimbursement, and research & development levers across all of HHS to enable AI adoption to propel the American health care system forward.

The HHS Office of the Deputy Secretary—which leads the Department's AI strategy—seeks broad engagement on how HHS can accelerate adoption, including how AI can improve patient and caregiver experiences and outcomes, reduce provider burden and improve quality of care, and reduce health care costs for consumers and government.

"Artificial intelligence will be a transformative force for good across America." said HHS Deputy Secretary Jim O'Neill. "We want to hear from you. Our efforts to accelerate AI adoption must be guided by the real needs and experiences of those developing these tools and delivering care."

As AI-driven technologies continue to advance, HHS is focused on interoperability and ensuring that patient data is safe, secure, and only used as allowed under HIPAA. "Artificial intelligence is powered by data. Data liquidity and the trust patients and providers have in how data moves are essential," said Dr. Thomas Keane, MD, MBA, Assistant Secretary for Technology Policy and National Coordinator for Health IT. "Through our interoperability work, we are designing for both, bringing true data access to patients and enabling AI. We look forward to hearing how these tools can best strengthen care."

HHS seeks broad public engagement and response to how HHS can accelerate the adoption and use of AI as part of clinical care. This includes input on how digital health and software regulatory frameworks should evolve to account for AI-driven tools while maintaining patient safety; how reimbursement structures can be simplified and better

aligned to support the use of efficient, deflationary technologies; and how research and development investments can strengthen implementation science and best practices, especially for complex or high-acuity clinical scenarios.

HHS also encourages future-looking responses that focus on medium- and long-term trends and needs that face the health care system, including addressing conditions that will emerge or continue to increase in prevalence, such as frailty or dementia. The responses will inform the critical, coordinated activities that will drive enabling change across all HHS divisions.

Today's announcement complements the HHS AI Strategy—which focuses on the Department's internal efforts to harness AI and embed it across HHS operations—by extending that "OneHHS" approach outward to accelerate AI adoption across the health care system.

For more information or to respond to HHS's RFI on accelerating the adoption and use of Artificial Intelligence as part of clinical care, please visit: https://www.federalregister.gov/public-inspection/2025-23641/request-for-information-accelerating-the-adoption-and-use-of-artificial-intelligence-as-part-of

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# White House, Tech Leaders Commit to Create Patient-Centric Healthcare Ecosystem

Administration

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*Leading Healthcare, Tech Companies Pledge to Work on Interoperability & User-Friendly Apps*

Today, the Trump Administration announced progress toward building a smarter, more secure, and more personalized healthcare experience in partnership with innovative private sector companies. During a White House "Make Health Tech Great Again" event hosted with the Centers for Medicare & Medicaid Services (CMS), the Administration secured commitments from major healthcare and information technology firms – including Amazon, Anthropic, Apple, Google, and OpenAI – to begin laying the foundation for a next-generation digital health ecosystem that will improve patient outcomes, reduce provider burden, and drive value.

"For decades, bureaucrats and entrenched interests buried health data and blocked patients from taking control of their health," **said HHS Secretary Robert F. Kennedy, Jr.** "That ends today. We're tearing down digital walls, returning power to patients, and rebuilding a health system that serves the people. This is how we begin to Make America Healthy Again."

"We have the tools and information available now to empower patients to improve their outcomes and their healthcare experience," **said CMS Administrator Dr.**

**Mehmet Oz.** "For too long, patients in this country have been burdened with a healthcare system that has not kept pace with the disruptive innovations that have transformed nearly every other sector of our economy. With the commitments made by these entrepreneurial companies today, we stand ready for a paradigm shift in the U.S. healthcare system for the benefit of patients and providers."

The Administration's efforts focus on two broad areas: promoting a CMS Interoperability Framework to easily and seamlessly share information between patients and providers, and increasing the availability of personalized tools so that patients have the information and resources they need to make better health decisions.

"The Office of Civil Rights (OCR) supports actions that improve the timeliness in providing individuals with access to their electronic protected health information, without sacrificing health information privacy and security," **said OCR Director Paula M. Stannard**. "If an individual receives another individual's electronic protected health information in error, generally, OCR's primary HIPAA enforcement interests are ensuring that the affected individual and HHS receive timely HIPAA breach notification."

At the White House event, CMS unveiled voluntary criteria for trusted, patient-centered and practical data exchange that will be accessible for all network types — health information networks and exchanges, Electronic Health Records (EHR), and tech platforms.

More than 60 companies pledged to work collaboratively to deliver results for the American people in the first quarter of 2026. Twenty-one networks pledged to meet the CMS Interoperability Framework criteria to become CMS Aligned Networks. Eleven health systems or providers committed to participate and support patient use, and seven EHRs committed to facilitate data exchange and help "kill the clipboard."

In addition, 30 companies pledged to promote real health outcomes with technology over the coming months. The new tools will use secure digital identity credentials to obtain medical records from CMS Aligned Networks that meet the CMS data sharing criteria. The apps will assist in the delivery of key services to beneficiaries including:

- **Diabetes and obesity** management;
- The use of **conversational AI assistants** to help patients check symptoms, navigate care options, and schedule appointments, among other tasks; and
- Tools to **"kill the clipboard"** by replacing paper intake forms with seamless digital check-in methods; and more.

A full list of companies who have currently pledged their support for CMS' Health Tech Ecosystem initiative can be found here.

Today's White House event builds on the May 2025 request for information (RFI) issued jointly by CMS and the Assistant Secretary for Technology Policy (ASTP) to solicit suggestions from stakeholders on ways to modernize the nation's digital health ecosystem. The CMS/ASTP RFI focused on empowering Medicare beneficiaries as well as the state of data interoperability and broader health technology infrastructure. In a little over a month, the RFI generated nearly 1,400 comments from patients, caregivers, providers, payers, technology developers, and others. These comments were instrumental in helping CMS form the vision and initiatives launched today.

An introductory video on CMS' Health Tech Ecosystem initiative can be viewed here.

CMS plans to add an app library to Medicare.gov to highlight trusted, personalized digital health tools focused on prevention, chronic disease management, and cost-effective care navigation.

CMS also provided an update on progress made on foundational efforts in support of a new digital health ecosystem and that enhance the beneficiary experience (many announced at a June 3rd public meeting on the RFI):

- **Enhanced Plan Finder:** CMS will update its own tools to enhance the beneficiary experience, such as the Plan Finder that helps Medicare beneficiaries select which plan is best for their personal needs. This update will ensure that beneficiaries can select plans that have their preferred providers and hospitals in network. All proposed plans would protect privacy, secure personal health information, and comply with HIPAA requirements.

- **National Provider Directory**: CMS has begun building a Fast Healthcare Interoperability Resources (FHIR)-based Application Programming Interface (API) to enable apps to find provider networks, participants and relevant endpoints, while also improving data quality and mapping complex provider hierarchies. The agency will be launching initial functionality of the new provider directory and expand iteratively starting later this year.
- **Modern Identity for Medicare.gov**: CMS is working to add modern digital identity to Medicare.gov this year, exploring approaches that enhance security without disrupting current user accounts and services.
- **Faster Blue Button Data**: CMS is developing infrastructure to reduce the time between when claims are received and when they become accessible through Blue Button, accelerating data availability for patients and developers. Additionally, FHIR-based digital insurance cards will be available as soon as this year to app developers and Medicare.gov users.
- **Data at the Point of Care (DPC)**: CMS is working to integrate digital identity and National Provider Directory validation into DPC during its continued development.
- **Trusted Exchange & CMS-Aligned Networks**: As a major step forward, CMS announced today the new CMS-Aligned Networks concept based on the CMS Interoperability Framework. CMS is leading by example and plans to participate in trusted data exchange by responding to patient and provider queries and sharing Blue Button claims data through CMS aligned networks as early as the first quarter of 2026. For the first time, patients will be able to access their data using modern identity solutions, without needing to set up accounts and remember usernames and passwords for each healthcare website. This leap will dramatically improve how patients can securely access and share their records across the healthcare ecosystem.

For the latest information on CMS' Health Tech Ecosystem initiative visit here.

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RELEASES

# White House Unveils America's AI Action Plan

The White House

July 23, 2025

The White House today released "Winning the AI Race: America's AI Action Plan", in accordance with President Trump's January executive order on Removing Barriers to American Leadership in AI. Winning the AI race will usher in a new golden age of human flourishing, economic competitiveness, and national security for the American people.

The Plan identifies over 90 Federal policy actions across three pillars – Accelerating Innovation, Building American AI Infrastructure, and Leading in International Diplomacy and Security – that the Trump Administration will take in the coming weeks and months.

Key policies in the AI Action Plan include:

- **Exporting American AI:** The Commerce and State Departments will partner with industry to deliver secure, full-stack AI export packages – including hardware, models, software, applications, and standards – to America's friends and allies around the world.
- **Promoting Rapid Buildout of Data Centers:** Expediting and modernizing permits for data centers and semiconductor fabs, as well as creating new national initiatives to increase high-demand occupations like electricians and HVAC technicians.
- **Enabling Innovation and Adoption:** Removing onerous Federal regulations that hinder AI development and deployment, and seek private sector input on rules to remove.
- **Upholding Free Speech in Frontier Models:** Updating Federal procurement guidelines to ensure that the government only contracts with frontier large language model developers who ensure that their systems are objective and free from top-down ideological bias.

"America's AI Action Plan charts a decisive course to cement U.S. dominance in artificial intelligence. President Trump has prioritized AI as a cornerstone of American innovation, powering a n rican leadership in science, technology, and global influen es Fed turbocharge our innovation capacity, build cutting-edge in ad

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globally, ensuring that American workers and families thrive in the AI era. We are moving with urgency to make this vision a reality," **said White House Office of Science and Technology Policy Director Michael Kratsios.**

"Artificial intelligence is a revolutionary technology with the potential to transform the global economy and alter the balance of power in the world. To remain the leading economic and military power, the United States must win the AI race. Recognizing this, President Trump directed us to produce this Action Plan. To win the AI race, the U.S. must lead in innovation, infrastructure, and global partnerships. At the same time, we must center American workers and avoid Orwellian uses of AI. This Action Plan provides a roadmap for doing that," **said AI and Crypto Czar David Sacks.**

"Winning the AI Race is non-negotiable. America must continue to be the dominant force in artificial intelligence to promote prosperity and protect our economic and national security. President Trump recognized this at the beginning of his administration and took decisive action by commissioning this AI Action Plan. These clear-cut policy goals set expectations for the Federal Government to ensure America sets the technological gold standard worldwide, and that the world continues to run on American technology," **said Secretary of State and Acting National Security Advisor Marco Rubio.**

Learn more at AI.Gov.

Related

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PRESIDENTIAL ACTIONS

# REMOVING BARRIERS TO AMERICAN LEADERSHIP IN ARTIFICIAL INTELLIGENCE

The White House

January 23, 2025

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

Section 1. Purpose. The United States has long been at the forefront of artificial intelligence (AI) innovation, driven by the strength of our free markets, world-class research institutions, and entrepreneurial spirit. To maintain this leadership, we must develop AI systems that are free from ideological bias or engineered social agendas. With the right Government policies, we can solidify our position as the global leader in AI and secure a brighter future for all Americans.
This order revokes certain existing AI policies and directives that act as barriers to American AI innovation, clearing a path for the United States to act decisively to retain global leadership in artificial intelligence.

Sec. 2. Policy. It is the policy of the United States to sustain and enhance America's global AI dominance in order to promote human flourishing, economic competitiveness, and national security.

Sec. 3. Definition. For the purposes of this order, "artificial intelligence" or "AI" has the meaning set forth in 15 U.S.C. 9401(3).

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Sec. 4. Developing an Artificial Intelligence Action Plan. (a) Within 180 days of this order, the Assistant to the President for Science and Technology (APST), the Special Advisor for AI and Crypto, and the Assistant to the President for National Security Affairs (APNSA), in coordination with the Assistant to the President for Economic Policy, the Assistant to the President for Domestic Policy, the Director of the Office of Management and Budget (OMB Director), and the heads of such executive departments and agencies (agencies) as the APST and APNSA deem relevant, shall develop and submit to the President an action plan to achieve the policy set forth in section 2 of this order.

Sec. 5. Implementation of Order Revocation. (a) The APST, the Special Advisor for AI and Crypto, and the APNSA shall immediately review, in coordination with the heads of all agencies as they deem relevant, all policies, directives, regulations, orders, and other actions taken pursuant to the revoked Executive Order 14110 of October 30, 2023 (Safe, Secure, and Trustworthy Development and Use of Artificial Intelligence). The APST, the Special Advisor for AI and Crypto, and the APNSA shall, in coordination with the heads of relevant agencies, identify any actions taken pursuant to Executive Order 14110 that are or may be inconsistent with, or present obstacles to, the policy set forth in section 2 of this order. For any such agency actions identified, the heads of agencies shall, as appropriate and consistent with applicable law, suspend, revise, or rescind such actions, or propose suspending, revising, or rescinding such actions. If in any case such suspension, revision, or rescission cannot be finalized immediately, the APST and the heads of agencies shall promptly take steps to provide all available exemptions authorized by any such orders, rules, regulations, guidelines, or policies, as appropriate and consistent with applicable law, until such action can be finalized.
(b) Within 60 days of this order, the OMB Director, in coordination with the APST, shall revise OMB Memoranda M-24-10 and M-24-18 as necessary to make them consistent with the policy set forth in section 2 of this order.

Sec. 6. General Provisions. (a) Nothing in this order shall be construed to impair or otherwise affect:
(i) the authority granted by law to an executive department or agency, or the head thereof; or
(ii) the functions of the Director of the Office of Management and Budget relating to budgetary, administrative, or legislative proposals.
(b) This order shall be implemented consistent with applicable law and subject to the availability of appropriations.
(c) This order is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its depa[illegible]s, or entities, its officers, employees, or agents, or any other person.

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THE WHITE HOUSE,
January 23, 2025.

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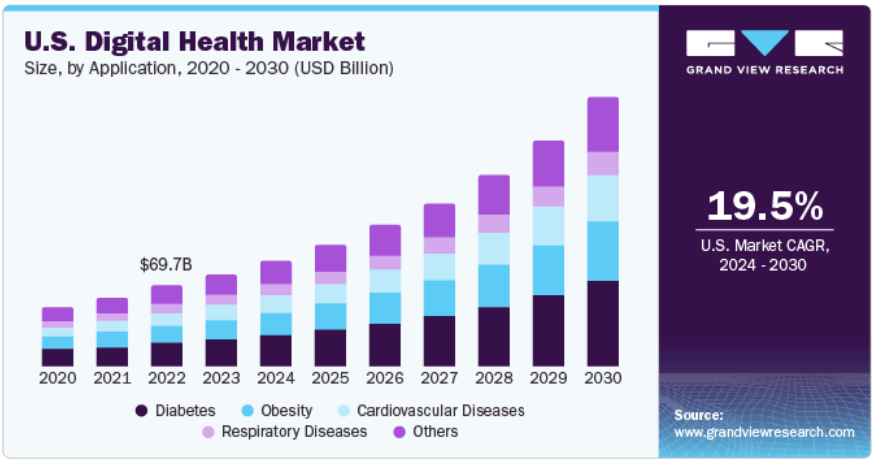
# U.S. Digital Health Market (2024 - 2030)

Size, Share & Trends Analysis Report By Technology (Tele-healthcare, mHealth), By Component (Software, Hardware, Services), By Application (Obesity, Diabetes) , By End-use, And Segment Forecasts



## U.S. Digital Health Market Size & Trends

The **U.S. digital health market size was estimated at USD 81.17 billion in 2023** and is projected to grow at a CAGR of 19.5% from 2024 to 2030. The supporting conditions for digital healthcare services and enhanced internet connectivity to provide remote healthcare services using digital paths are anticipated to drive market growth. In addition, the increasing adoption of smartphones has encouraged manufacturers to invest and capitalize on their growth opportunities in the **global digital health industry (https://www.grandviewresearch.com/industry-analysis/digital-health-market)**. For instance, in May 2023, UC San Diego Health launched a SMART health insurance card that displays real-time insurance data on scanning.




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The rising mobile and smartphone subscriptions are expected to drive the market growth. According to Oberlo, smartphone penetration in the U.S. has increased from 83% in 2018 to 91% in 2023. According to the Mobile Economy North America 2023, 53% of North America's 5G internet usage comprises services, including healthcare services. In addition, several network companies are partnering with hospitals to provide their network services. For instance, in July 2023, Verizon deployed a private full spectrum 5G network in the VA Palo Alto Health Care System, a veterans' hospital in California.

In August 2023, the Advanced Research Projects Agency for Health (ARPA-H), a division within the U.S. Department of Health and Human Services (HHS), initiated the Digital Health Security (DIGIHEALS) task to safeguard the electronic infrastructure of the U.S. healthcare system. The project intends to request proposals for proven technologies originally developed for national security purposes through a Broad Agency Announcement (BAA) and implement them within clinical care facilities, civilian health systems, and personal health devices. DIGIHEALS seeks to ensure uninterrupted patient care even in the event of a widespread cyberattack on medical facilities, similar to incidents that have led to the permanent closure of hospitals.

Furthermore, the adoption of **artificial intelligence (https://www.grandviewresearch.com/industry-analysis/artificial-intelligence-ai-market)** (AI) and machine learning (ML) in the healthcare industry contributes to the growth of the digital health market in the U.S. The U.S. government is undertaking several initiatives to promote AI/ML applications in healthcare. For instance, in October 2023, the U.S. FDA created a Digital Health Advisory Committee to explore the problems related to digital health technologies (DHTs), including augmented reality (AR), virtual reality (VR), AI/ML, digital therapeutics, remote patient monitoring, wearables, and software.

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## Market Concentration & Characteristics

The U.S. market for digital health is characterized by continuous innovation, particularly emphasizing user-friendly telehealth technologies. These advancements are geared towards streamlining adoption for both patients and healthcare providers. This technological integration into healthcare empowers individuals to oversee their health and engage in medical consultations remotely. Furthermore, digital technologies are used in drug discovery, detection, and several healthcare domains. For instance, In October 2023, the Autism Center of Excellence (North Carolina) researchers developed a digital autism screening app for autism spectrum disorder (ASD). The application demonstrated a sensitivity of 87.8% in detecting ASD, accurately identifying a high proportion of children with the condition. It exhibited a specificity of 80.8%.




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Mergers and acquisitions (M&A) activities continue to shape the business landscape, with companies seeking strategic partnerships and acquisitions to enhance market presence and drive growth. Notable strategies include new product launches, expansions, and M&As. The market observes a moderate level of M&A activities among leading players. For instance, in February 2024, Aptar Digital Health acquired Healint, a company specializing in digital health in neurology. The acquisition is expected to broaden Aptar's digital health neurology portfolio, making it a prominent competitor in the U.S. digital health market.

Digital health technologies are subject to various regulatory frameworks across the U.S. The structured regulatory framework positively impacts market access, growth, and compliance. For instance, in the U.S., the Food and Drug Administration (FDA) has developed guidelines for digital health technologies. In October 2023, the U.S. FDA created a new Digital Health Advisory Committee to resolve the digital health technologies (DHTs) issues and ultimately promote digital technologies in healthcare.

The potential for enhanced accessibility, cost-efficiency, and improved outcomes drives the global expansion of the U.S. digital health sector. Established industry frontrunners are penetrating emerging markets, indigenous startups are witnessing significant growth, and technology is being customized to suit various contexts. Achieving alignment through collaborative initiatives and national strategies and tackling issues like data privacy, digital disparity, and regulatory intricacies are essential. Expansion efforts typically involve establishing new facilities or plants in different geographical areas or mergers and acquisitions with companies in diverse regions. Many market participants are embracing geographical expansion strategies to bolster their market positions.

## Case Study: Scaling up and sustaining the digital transformation of U.S. hospitals brought about by COVID-19

UC San Diego Health, a private health system affiliated with the University of California, San Diego, initially implemented on-site employee screening due to county health orders. Later, it extended its screening resources to the local community, allowing symptomatic individuals to schedule tests.

The hospital also collaborated with its affiliated university and its 15,000 students, achieving a milestone in August 2019, when UC San Diego's Student Health Services and Counselling and Psychological Services became the first in the University of California system to share an interoperable electronic health record system with the hospital. This integration streamlined test ordering, result notification, and patient care, facilitating quicker turnaround times for imaging studies and expediting communication of health information for students requiring specialized care.

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By integrating health systems, UC San Diego Health facilitated a streamlined testing and tracing initiative, supporting the Return-to-Learn program to facilitate the safe resumption of university attendance and studies.

## Technology Insights

The tele-healthcare segment led the market with the highest revenue share of 43.2% in 2023. The growth is attributed to growing investments in tele-healthcare platforms post-COVID-19 pandemic. The companies are adopting digital healthcare platforms to provide remote care for individuals and patients with chronic diseases like diabetes. For instance, in January 2023, the National Institutes of Health (NIH) launched a COVID-19 telehealth program called the Home Test to Treat program. The program offers free COVID-19 health assistance, such as telehealth sessions, rapid tests at home, and at-home remedies.

The **mHealth (https://www.grandviewresearch.com/industry-analysis/mhealth-market)** segment is the second largest segment, attributed to the significant penetration of smartphones, growing adoption of mobile health applications, and use of smartwatches and fitness trackers. Smartwatches are often paired with smartphones, enabling users to make calls, receive notifications, control music, send messages, and keep a fitness check directly from the wrist. The integration enhances convenience further boosting the segment growth. In October 2023, b.well Connected Health, a patient-oriented health management platform, announced its integration into the Samsung Health app. This initiative aims to give Galaxy smartphone users a unified platform for accessing health data, receiving insights recommendations, and connecting with care providers virtually and in person.

## Component Insights

In 2023, the services segment dominated the market with the highest revenue share of more than 37.8%, owing to the increasing software upgrades and a preference for hardware and software advancements. Developing digital platforms for monitoring, diagnosis, prevention & wellness is also anticipated to support the segment growth. For instance, in January 2024, Eli Lilly and Company launched LillyDirect, a digital healthcare experience for U.S.-based patients, under which LillyDirect Pharmacy Solutions, a digital pharmacy for medications powered by third-party pharmacy fulfillment online services.

The software segment is expected to register the fastest CAGR over the forecast period. The growth is attributed to the increasing software development activities by the service providers and developers to provide better digital healthcare services. In addition, consumers and service providers' growing adoption of healthcare software integrated into the platform to enhance patient care quality is anticipated to drive the segment growth over the forecast period. For instance, in December 2023, Tandem Diabetes Care, Inc. launched an updated insulin pump software, t:slim X2, integrated with Dexcom G7 Continuous Glucose Monitoring (CGM) in the U.S.

## Application Insights

The diabetes segment held the largest revenue share of over 24.3% in 2023 and is expected to register the fastest CAGR from 2024 to 2030. The growing diabetes prevalence and associated issues have contributed to the segment's growth. According to the Centers for Disease Control and Prevention (CDC), in 2021, in the U.S., 38.4 million individuals had diabetes, of which 38.1 million were aged 18 and above. Companies are developing digital health technologies to offer innovative solutions to address the needs of individuals with diabetes. For instance, in February 2023, DexCom, Inc. launched the Dexcom G7 continuous glucose monitoring (CGM) System in the U.S. through a Super Bowl commercial starring Nick Jonas, who has diabetes. The commercial was expected to be watched by over 4.8 million diabetic Americans, of which 3.3 million were not using CGM and 2.3 million with CGM coverage.

Obesity is the second largest application segment, due to the high prevalence of the disease coupled with the increasing need for effective weight management solutions. Obesity affects a significant portion of the U.S. population. According to the World Obesity Atlas 2023, approximately 58% of the U.S. population is expected to suffer from obesity. This widespread issue creates a substantial demand for effective solutions to manage and address obesity-related health concerns. Advances in technology have led to the development of innovative digital health tools and platforms designed specifically for managing obesity. For instance, in December 2023, Fauna Bio collaborated with Eli Lilly and Company to integrate Convergence AI from Fauna into preclinical drug discovery for obesity.

## End-use Insights

The patient segment held the largest share of 34.1% in 2023 and is expected to witness the fastest CAGR from 2024 to 2030. The growth is attributed to the increased awareness of health management and patient-centered care. Digital health technologies have transformed the healthcare landscape, empowering patients with remote monitoring tools, self-management capabilities, and readily available health information. For instance, in February 2024, Samsung Electronics received the De Novo approval from the U.S. FDA for the Samsung Health Monitor app's sleep apnea feature. It detects sleep apnea through the Samsung Galaxy Watch and phone.

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The providers segment holds a significant share of the U.S. digital health industry and is expected to maintain its market share over the forecast period. The extensive uptake of advanced technologies like digital therapeutics and telemedicine drives the market growth. Healthcare providers are progressively utilizing digital solutions to provide remote consultations, personalized treatment strategies, and evidence-backed therapies beyond conventional care environments. Incorporating digital tools enables providers to deliver more convenient and customized care, ultimately enhancing patient outcomes.

## Key U.S. Digital Health Company Insights

Major players, such as Apple, Inc.; Google, Inc.; and Qualcomm Technologies, Inc.; prioritize mergers, acquisitions, technological partnerships, and product innovations to address the growing demand for digital healthcare platforms. Intense competition is evident among these players, with established leaders concentrating on expanding their product portfolios through strategic collaborations, partnerships, and the introduction of new products.

**Key U.S. Digital Health Companies:**

Apple, Inc.

AT&T

Airstrip Technologies

Allscripts

Google, Inc.

Orange

Qualcomm Technologies, Inc.

Softserve

Samsung Electronics Co. Ltd.

Telefonica S.A.

Vodafone Group

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## Recent Developments

- In December 2023, Google, Inc. launched MedLM, a medical generative AI to promote digital technology in healthcare.
- In September 2023, Enovacom, a subsidiary of Orange Business, acquired NEHS Digital and Xperis and strengthened its e-health portfolio.
- In March 2023, IBM collaborated with Cleveland Clinic and deployed an IBM-managed onsite quantum computer. It will enable Cleveland Clinic in accelerating biomedical discoveries.
- In January 2023, Apple Fitness+ launched a whole-body cardio workout, a new Kickboxing workout. The workout is led by two new trainers.
- In August 2023, Siemens Healthineers, specializing in AI-powered applications and digital healthcare, announced a partnership with SSM Health for ten years to develop the diagnostic imaging and advanced software and technology of SSM Health.

### U.S. Digital Health Market Report Scope

| Report Attribute | Details |
|---|---|
| **Market size value in 2024** | **USD 94.95 billion** |
| **Revenue forecast in 2030** | **USD 276.62 billion** |
| **Growth rate** | **CAGR of 19.5% from 2024 to 2030** |
| **Actual data** | **2018 - 2023** |
| Forecast data | 2024 - 2030 |
| Report updated | April 2024 |
| Quantitative units | Revenue in USD million/billion, and CAGR from 2024 to 2030 |
| Report coverage | Revenue forecast, company ranking, competitive landscape, growth factors, and trends |
| Segments covered | Technology, component, application, end-use |
| Country scope | U.S. |
| Key companies profiled | Apple Inc.; AT&T; Airstrip Technologies; Allscripts; Google Inc.; Orange; Qualcomm Technologies, Inc.; Softserve; Samsung Electronics Co. Ltd.; Telefonica S.A.; Vodafone Group; Cerner Corp.; McKesson Corp.; Epic Systems Corp.; NextGen Healthcare, Inc; Greenway Health LLC; CureMD Healthcare; HIMS; Computer Programs and Systems, Inc; Vocera Communications; IBM Corp.; Siemens Healthcare GmbH; Cisco Systems, Inc. |
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## U.S. Digital Health Market Report Segmentation

This report forecasts revenue growth at country levels and provides an analysis of the latest trends in each of the segments from 2018 to 2030. For this study, Grand View Research, Inc. has segmented the U.S. digital health market report based on technology, component, application, and end-use:

- **Technology Outlook (Revenue, USD Million, 2018 - 2030)**
  - Tele-healthcare
    - Tele-care
      - Activity Monitoring
      - Remote Medication Management
    - Tele-health
      - LTC Monitoring
      - Video Consultation
  - mHealth
    - Wearables & Connected Medical Devices
      - Vital Sign Monitoring Devices
        - Heart Rate Monitors
        - Activity Monitors
        - Electrocardiographs
        - Pulse Oximeters
        - Spirometers
        - Blood Pressure Monitors
        - Others
      - Sleep Monitoring Devices
        - Sleep trackers.
        - Wrist Actigraphs
        - Polysomnographs
        - Others
      - Electrocardiographs Fetal & Obstetric Devices
      - Neuromonitoring Devices
        - Electroencephalographs
        - Electromyographs

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**Prism AI**

- 30,000 reports
- 1.2 million data points
- One conversation

Explore with AI (/prism-ai)

- Others
- mHealth Apps
  - Medical Apps
    - Women's Health
      - Menstrual Health
      - Pregnancy Tracking & Postpartum Care
      - Menopause
      - Disease Management
      - Others
    - Chronic Disease Management Apps
      - Diabetes Management Apps
      - Blood Pressure & ECG Monitoring Apps
      - Mental Health Management Apps
      - Cancer Management Apps
      - Obesity Management Apps
      - Other Chronic Disease Management Apps
    - Personal Health Record Apps
    - Medication Management Apps
    - Diagnostic Apps
    - Remote Monitoring Apps
    - Others (Pill Reminder, Medical Reference, Professional Networking, Healthcare Education)
  - Fitness Apps
    - Exercise & Fitness
    - Diet & Nutrition
    - Lifestyle & Stress
  - Services
    - Monitoring Services
      - Independent Aging Solutions
      - Chronic Disease Management & Post-Acute Care Services
    - Diagnosis Services
      - Healthcare Systems Strengthening Services
      - Others
- Digital Health Systems

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- EHR
- E-prescribing Systems
- Healthcare Analytics

- **Component Outlook (Revenue, USD Million, 2018 - 2030)**
  - Software
  - Hardware
  - Services
- **Application Outlook (Revenue, USD Million, 2018 - 2030)**
  - Obesity
  - Diabetes
  - Cardiovascular Diseases
  - Respiratory Diseases
  - Others
- **End-use Outlook (Revenue, USD Million, 2018 - 2030)**
  - Patients
  - Providers
  - Payers
  - Others

## Frequently Asked Questions About This Report

How big is the U.S. digital health market?

What is the U.S. digital health market growth?

Which segment accounted for the largest market share?

Who are the key players in U.S. digital health market?

What are the factors driving the U.S. digital health market?

ABOUT THE AUTHOR(S)

Healthcare IT Research Team

Healthcare · Healthcare IT

This report was authored by the healthcare it research team at Grand View Research - comprising two research analysts, one senior research analyst, and one industry expert - with specialized expertise in the healthcare it segment of the healthcare industry. All findings are based on proprietary healthcare databases, executive interviews, and regulatory analysis, subject to internal peer review prior to publication.

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Last Updated: June 2024

**Speak to Analyst (/speak-to-author/452326/sta)**

Key questions answered by the report

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healthcare%2C+mHealth%29%2C+By+Component+%28Software%2C+Hardware%2C+Services%29%2C+By+Application+%28Obesity%2C+Diabetes%29+%2C+By+End-use%2C+And+Segm
url=https://cdn.grandviewresearch.online/gvr/img/logo.svg&source=https://www.grandviewresearch.com/)

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subject=U.S.%20Digital%20Health%20Market%20Size%2C%20Share%20%7C%20Industry%20Report%202030&body=Thought%20you%20might%20find%20this%20useful%3A%0A%0Ahttps
analysis%2Fus-digital-health-market-report)

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# C.II - Second Prong - Well-Positioned to Advance the Proposed Endeavor

**Please refer to all of the documents from Exhibit B**

FEDERATIVE REPUBLIC OF BRAZIL
MINISTRY OF EDUCATION
*FEDERAL UNIVERSITY OF MATO GROSSO DO SUL*

# CERTIFICATE

We hereby certify that **RILLIAN DIELLO LUCAS PIRES** participated in the "***I Robotics Workshop of Mato Grosso do Sul***", held on October 29 and 30, 2009, with a workload of 20 hours, referring to the Outreach Project held by the Department of Information Systems of the School of Computing of the Federal University of Mato Grosso do Sul.

*Campo Grande, February 22, 2010.*

*Maria Bernadete Zanusso,*
Outreach Project Coordinator.

*Nalvo Franco de Almeida Jr,*
Director of the School of Computing.

**SCHEDULE**

October 29, 2009

2 PM - 5 PM Short Course I: **Introduction to Digital Circuit Design**
Instructor: **Prof. Dr. Milton Romero Romero** (Department of Electrical Engineering - UFMS)

Coffee break

6 PM - 7 PM Lecture I: **Autonomous Navigation Via Harmonic Potential Fields**
Instructor: **Prof. Dr. Gedson Faria** (Coxim Campus - UFMS)

6 PM - 8 PM Short Course II: **Player/Stage Simulator**
Instructor: **Prof. Dr. João Felipe Faria Valente** (Federal University of Grande Dourados - UFGD)

October 30, 2009

8 AM - 11 AM Short Course III: **Microcontroller Design**
Instructor: **Prof. Dr. Pedro Henrique Cox** (Department of Electrical Engineering - UFMS)

1 PM - 4 PM Short Course IV: **Constructive Aspects of Mechanics in Robotics**
Instructor: **Prof. Dr. Marco Naka** (EC (Computer Engineering) - Dom Bosco Catholic University - UCDB)

4 PM - 5 PM Lecture II: **Brazilian Robotics Competition - RoboCup and IEEE Categories (Institute of Electrical and Electronics Engineers)**
Speaker: **Prof. Me. Wanderlei Mendes** (EC - Dom Bosco Catholic University - UCDB)

Coffee break

6 PM - 7 PM Lecture III: **Mobile Robot Localization**
Speaker: **Profa. Dra. Valguima Victoria Viana Aguiar Odakura**
(Federal University of Grande Dourados - UFGD)

7 PM - 10 PM **Task Execution:**
**"Pyramid Climb" with Lego Kits and NQC Programming**
Instructors: PET-UFMS Students (Computer Science and Electrical Engineering)

Registered under No. 172

On Page 10 of Book 1

CG, 31/3/2010

Izabel Valdes Batista

Person in Charge of Registration

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

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MINISTÉRIO DA EDUCAÇÃO
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# CERTIFICADO

Certificamos que ***RILLIAN DIELLO LUCAS PIRES*** participou do ***"I Workshop de Robótica do Mato Grosso do Sul"***, realizado nos dias 29 e 30 de outubro de 2009, com carga horária de 20 horas, referente ao Projeto de Extensão executado pelo Departamento de Sistemas de Informação da Faculdade de Computação da Fundação Universidade Federal de Mato Grosso do Sul.

*Campo Grande, 22 de fevereiro de 2010.*

***Maria Bernadete Zanusso,***
*Coordenadora do Projeto de Extensão.*

***Nalvo Franco de Almeida Jr,***
*Diretor da Faculdade de Computação.*

**PROGRAMAÇÃO**

29 de outubro de 2009

14h – 17h Minicurso I: **Projetos de Circuitos Digitais – Introdução**
Ministrante: **Prof. Dr. Milton Romero Romero** (Departamento de Engenharia Elétrica - UFMS)

Intervalo para café

18h – 19h Palestra I: **Navegação Autônoma Via Campos Potenciais Harmônicos**
Ministrante: **Prof. Dr. Gedson Faria** (Campus de Coxim - UFMS)

18h – 20h Minicurso II: **Simulador Player/Stage**
Ministrante: **Prof. Dr. João Felipe Faria Valente** (Universidade Federal da Grande Dourados – UFGD)

30 de outubro de 2009

8h – 11h Minicurso III - **Projetos de Microcontroladores**
Ministrante: **Prof. Dr. Pedro Henrique Cox** (Departamento de Engenharia Elétrica - UFMS)

13h – 16h Minicurso IV - **Aspectos Construtivos de Mecânica em Robótica**
Ministrante: **Prof. Dr. Marco Naka** (EC – Universidade Católica Dom Bosco - UCDB)

16h – 17h Palestra II: **Competição Brasileira de Robôs - Categorias Robocup e IEEE**
Palestrante: **Prof. Me. Wanderlei Mendes** (EC - Universidade Católica Dom Bosco – UCDB)

Intervalo para café

18h – 19h Palestra III: **Localização de Robôs Móveis**
Palestrante: **Profa. Dra.Valguima Victoria Viana Aguiar Odakura**
(Universidade Federal da Grande Dourados – UFGD)

19h – 22h **Execução de uma tarefa:**
**"Subida de uma Pirâmide" com Kits Lego e Programação com NQC**
Ministrantes: Alunos do PET-UFMS (Ciência da Computação e Engenharia Elétrica)

Registrado sob Nº 172
Na Folha 10 do Livro 1
CG, 31/3/2010
Izabel Valdes Batista
Responsável pelo Registro

FEDERATIVE REPUBLIC OF BRAZIL
MINISTRY OF EDUCATION
*FEDERAL UNIVERSITY OF MATO GROSSO DO SUL*

# CERTIFICATE

We hereby certify that **RILLIAN DIELLO LUCAS PIRES** participated in the "***I Software Engineering Workshop of Facom (School of Computing - UFMS)***", held on October 22 and 23, 2009, with a workload of 16 hours, referring to the Outreach Project held by the Department of Information Systems of the School of Computing of the Federal University of Mato Grosso do Sul.

*Campo Grande, October 29, 2009.*

***Débora Maria Barroso Paiva,***
*Outreach Project Coordinator.*

***Nalvo Franco de Almeida Jr,***
*Director of the School of Computing.*

**SCHEDULE**

**OCTOBER 22**

**8:00 AM** - Workshop opening and program presentation
**8:15 AM** - Presentation of the master's thesis completed in 2009 in the field of Software Engineering
**8:45 AM** - Short Course: Developing Accessible Web Applications
Facilitator: Lucinéia Souza Maia, master's student in Software Engineering of Facom, UFMS
**10:00 AM** - Coffee break
**10:15 AM** - Short Course: Developing Accessible Web Applications
**12:15 PM** - Lunch
**2:00 PM** - Lecture: Software Engineering at DCT/Facom: History, Results, and Perspectives
Instructor: Prof. Dr. Marcelo Augusto Santos Turine (Facom - UFMS)
**2:30 PM** - Presentation of ongoing master's thesis in Software Engineering
**4:10 PM** - Coffee break
**4:25 - 6:00 PM** - Presentation of master's thesis in Software Engineering (ongoing)

**OCTOBER 23**

**9:00 AM** - Master's Thesis Qualification
**Student:** Neiva Pereira Coelho
**Title:** Usability Metrics for Software Development Processes
**Examining Committee:** Prof. Dr. Débora Maria Barroso Paiva (UFMS, advisor)
Profa. Dr. Karin Breitman (Pontifical Catholic University (PUC)-Rio)
Prof. Dr. Marcelo Augusto Santos Turine (UFMS, co-advisor)
**12:00 PM** - Lunch
**2:00 PM** - Lecture: Software Engineering 2.0
Speaker: Prof. Dr. Karin Breitman (PUC-Rio)
**4:00 PM** - Coffee break and workshop closing

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On Page 3 of Book 1
CG, 10 / 29 / 2009
Person in Charge of Registration

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# CERTIFICADO

*Certificamos que* ***RILLIAN DIELLO LUCAS PIRES*** *participou do "**I Workshop de Engenharia de Software da Facom**", realizado nos dias 22 e 23 de outubro de 2009, com carga horária de 16 horas, referente ao Projeto de Extensão executado pelo Departamento de Sistemas de Informação da Faculdade de Computação da Fundação Universidade Federal de Mato Grosso do Sul.*

*Campo Grande, 29 de outubro de 2009.*

***Débora Maria Barroso Paiva,***
*Coordenadora do Projeto de Extensão.*

***Nalvo Franco de Almeida Jr,***
*Diretor da Faculdade de Computação.*

**ATIVIDADES REALIZADAS**

**22 DE OUTUBRO**

**08:00**– Abertura do workshop e apresentação da programação
**08:15** – Apresentação do projeto de mestrado concluído em 2009 na área de Engenharia de Software
**08:45** – Mini-curso: Desenvolvendo Aplicações Web Acessíveis
Facilitadora: Lucinéia Souza Maia, mestranda em Engenharia de Software da Facom, UFMS
**10:00** – Coffe break
**10:15** – Mini-curso: Desenvolvendo Aplicações Web Acessíveis
**12:15** – Almoço
**14:00** – Palestra: Engenharia de Software no DCT/Facom: Histórico, Resultados e Perspectivas
Facilitador: Prof. Dr. Marcelo Augusto Santos Turine (Facom - UFMS)
**14:30** – Apresentação dos projetos de mestrado em andamento em Engenharia de Software
**16:10** – Coffe break
**16:25 – 18:00:** Apresentação dos projetos de mestrado em Engenharia de Software (em andamento)

**23 DE OUTUBRO**

**09:00** – Qualificação de Mestrado
**Aluna:** Neiva Pereira Coelho
**Título:** Métricas de Usabilidade para Processos de Desenvolvimento de Software
**Banca:** Profa. Dra. Débora Maria Barroso Paiva (UFMS, orientadora)
Profa. Dra. Karin Breitman (PUC-Rio)
Prof. Dr. Marcelo Augusto Santos Turine (UFMS, co-orientador)
**12:00** – Almoço
**14:00** – Palestra: Engenharia de Software 2.0
Facilitadora: Profa. Dra. Karin Breitman (PUC-Rio)
**16:00** – Coffe break e encerramento do workshop

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Na Folha 3 do Livro 1
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# CERTIFICATE

Full Cycle hereby certifies that the student

## RILLIAN DIELLO LUCAS PIRES

Completed the Systems communication module from 05/19/2025 to 07/24/2025,
with a total workload of 18 hours, as part of the

FULL CYCLE 3.0
training program

Digital Certificate
56aae7dd-0ec7-489c-9f93-38a305ffe53b

FullCycle

Wesley Willians Ramos da Silva
Director

Full Cycle LTDA - CNPJ: 38.167.943/0001-86 - Rua Hércules Mazzoni, No. 1.334 ZIP Code: 13330-250 Centro - Indaiatuba - São Paulo

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# CERTIFICADO

**A Full Cycle certifica que o aluno**

## RILLIAN DIELLO LUCAS PIRES

Concluiu o módulo Comunicação entre sistemas no período de 19/05/2025 à 24/07/2025
com carga horária total de 18 horas, do treinamento

FULL CYCLE 3.0

**Certificado Digital**

56aae7dd-0ec7-489c-9f93-38a305ffe53b

FullCycle



**Wesley Willians Ramos da Silva**

Diretor

Full Cycle LTDA - CNPJ: 38.167.943/0001-86 - Rua Hércules Mazzoni, nº 1.334 Cep: 13330-250 Centro - Indaiatuba - SP

# CERTIFICATE

Full Cycle hereby certifies that the student

## RILLIAN DIELLO LUCAS PIRES

Completed the Docker module from 03/11/2025 to 05/19/2025,
with a total workload of 21 hours, as part of the

FULL CYCLE 3.0

training program

Digital Certificate

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Wesley Willians Ramos da Silva

Director

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Date: September 3, 2026.

# CERTIFICADO

**A Full Cycle certifica que o aluno**

## RILLIAN DIELLO LUCAS PIRES

Concluiu o módulo Docker no período de 11/03/2025 à 19/05/2025
com carga horária total de 21 horas, do treinamento

FULL CYCLE 3.0

**Certificado Digital**

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FullCycle

**Wesley Willians Ramos da Silva**

Diretor

# CERTIFICATE

Full Cycle hereby certifies that the student

## RILLIAN DIELLO LUCAS PIRES

Completed the Domain Driven Design module from 07/17/2025 to 07/25/2025,
with a total workload of 6 hours, as part of the

FULL CYCLE 4.0

training program

Digital Certificate

7e740e2c-ae79-411c-a8c7-09436cfa429f

FullCycle

Wesley Willians Ramos da Silva

Director

Full Cycle LTDA - CNPJ: 38.167.943/0001-86 - Rua Hércules Mazzoni, No. 1.334 ZIP Code: 13330-250 Centro - Indaiatuba - São Paulo

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Date: September 3, 2026.

# CERTIFICADO

**A Full Cycle certifica que o aluno**

## RILLIAN DIELLO LUCAS PIRES

Concluiu o módulo Domain Driven Design no período de 17/07/2025 à 25/07/2025
com carga horária total de 6 horas, do treinamento

CURSO FULL CYCLE 4.0

**Certificado Digital**

7e740e2c-ae79-411c-a8c7-09436cfa429f

FullCycle

**Wesley Willians Ramos da Silva**

Diretor

Full Cycle LTDA - CNPJ: 38.167.943/0001-86 - Rua Hércules Mazzoni, nº 1.334 Cep: 13330-250 Centro - Indaiatuba - SP

FEDERATIVE REPUBLIC OF BRAZIL
MINISTRY OF EDUCATION
FEDERAL UNIVERSITY OF MATO GROSSO DO SUL

# CERTIFICATE

*We hereby certify that **Rillian Diello Lucas Pires** participated as an attendee in the **Introduction to Blender Animation** course, with a workload of 32 hours, held by the Tutorial Education Program (PET) Group - Computer Science, under the School of Computing of the Federal University of Mato Grosso do Sul, from 03/22/2011 to 05/05/2011.*

Campo Grande - Mato Grosso do Sul, August 31, 2011.

Débora Maria Barroso Paiva,
PET-Computer Science Coordinator – UFMS.

Nalvo Franco de Almeida Jr,
Director of the School of Computing.

FACOM-UFMS

Registered under No. 70

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CG, 09 / 02 / 2011

Izabel Alcides Batista

Person in Charge of Registration

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# CERTIFICADO

*Certificamos que* ***Rillian Diello Lucas Pires*** *participou como ouvinte do curso* ***Introdução à Animação com Blender****, carga horária de 32 horas, realizado pelo Grupo PET - Ciência da Computação, vinculado à Faculdade de Computação da Fundação Universidade Federal de Mato Grosso do Sul, no período de 22/03/2011 a 05/05/2011.*

Campo Grande – MS, 31 de agosto de 2011.

Débora Maria Barroso Paiva,
Coordenadora PET-Ciência da Computação – UFMS.

Nalvo Franco de Almeida Jr,
Diretor da Faculdade de Computação.

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Na Folha 15 do Livro 2

CG, 21/9/11

Izabel Batista
Matrícula 32201
Facom/UFMS

Responsável pelo Registro

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MINISTRY OF EDUCATION
FEDERAL UNIVERSITY OF MATO GROSSO DO SUL

# CERTIFICATE

*We hereby certify that **Rillian Duelo** participated as an attendee in the **Basic Java Course**, with a workload of 20 hours, held by the Tutorial Education Program (PET) Group - Computer Science, under the School of Computing of the Federal University of Mato Grosso do Sul, from 12/05/2011 to 12/13/2011.*

Campo Grande - Mato Grosso do Sul, April 27, 2012.

Débora Maria Barroso Paiva,
PET-Computer Science Coordinator – UFMS.

Nalvo Franco de Almeida Jr,
Director of the School of Computing.

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_____, 05 / 02 / 2012

Izabel Valdes Batista

Person in Charge of Registration

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# CERTIFICADO

*Certificamos que* **Rillian Duelo** *participou como ouvinte do* ***Curso Básico de Java****, carga horária de 20 horas, realizado pelo Grupo PET - Ciência da Computação, vinculado à Faculdade de Computação da Fundação Universidade Federal de Mato Grosso do Sul, no período de 05/12/2011 a 13/12/2011.*

Campo Grande – MS, 27 de abril de 2012.

Débora Maria Barroso Paiva,
Coordenadora PET-Ciência da Computação – UFMS.

Nalvo Franco de Almeida Jr,
Diretor da Faculdade de Computação.

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Na Folha 29 do Livro 1

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Izabel Valdes Batista
Facom/UFMS

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Microlins
Professional Training

# CERTIFICATE

Issued in compliance with Law 9394/96, regulated by Decree-Law 2208/97 (Article 4) of the National Education Guidelines and Bases Law.

We hereby certify that

RILLIAN DIELLO LUCAS PIRES

completed the

COMPUTER ASSEMBLY AND MAINTENANCE course

consisting of the

HARDWARE AND NETWORKING modules.

from 10/28/2006 to 05/19/2007 with a workload of 72 hours.

JALES-SP

Franchise Director

11 de junho de 2007

José Carlos Semenzato
President

Rillian Diello Lucas Pires

Certificate Holder

No.1156723

VALID THROUGHOUT THE NATIONAL TERRITORY

This certificate is registered under Diploma Registration Book

No. 01 on page No. 23

of 06 / 30 / 2007

Secretary

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

Microlins
Formação Profissional

# C E R T I F I C A D O

Emitido em conformidade com a Lei 9394/96, regulamentado, pelo Decreto-Lei 2208/97 (artigo 4º) da Lei de Diretrizes e Bases da Educação Nacional.

Certificamos que *RILLIAN DIELLO LUCAS PIRES* concluiu

o curso de MONTAGEM E MANUTENÇÃO DE COMPUTADORES constituído pelos

módulos HARDWARE E REDES.

no período de 28/10/2006 a 19/05/2007 com carga horária de 72 horas.

JALES-SP 11 de junho de 2007.

Diretor da Franquia

José Carlos Semenzato
Presidente

Rillian Diello Lucas Pires
Titular do Certificado

Nº 1156723

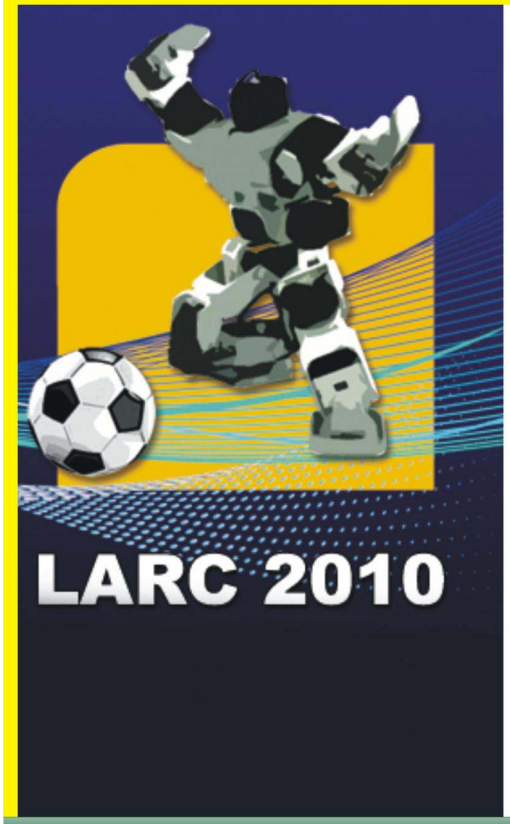
VÁLIDO EM TODO TERRITÓRIO NACIONAL

Este certificado está cadastrado no livro

nº 01 de Registro de Diploma, na folha nº 23

com data de 30 / 06 / 2007

Secretaria




# CERTIFICATE

The organizing committee of the **Latin American Robotics Competition 2010** hereby certifies that **Rillian Diello Lucas Pires** is member of the **UFMS-TuiuiuTronik** team that has participated in the **IEEE SEK** category during the LARC 2010, held in São Bernardo do Campo, October 23rd to 28th - 2010.

| **Flavio Tonidandel** | **Reinaldo A. C. Bianchi** | **Esther Luna Colombini** |
|---|---|---|
| Joint Conference 2010 Chair | JRI 2010 Chair | LARC 2010 Chair |

Organized by: Centro Universitário da FEI

Sponsored by: SBC Sociedade Brasileira de Computação; OBR Olimpíada Brasileira de Robótica; RoboCup; IEEE

Supported by: CNPq Conselho Nacional de Desenvolvimento Científico e Tecnológico; CAPES; NATIONAL INSTRUMENTS; aprenda tecnologia treinamentos em ti; ABCD MAIOR; FAPESP; FESTO; XBot Nós Fazemos Robôs; COMPHAUS

udemy

Certificate No.: UC-2cfb199a-344e-46b0-b1bc-2a661eb1b6bb
Certificate URL: ude.my/UC-2cfb199a-344e-46b0-b1bc-2a661eb1b6bb
Reference Number: 0004

CERTIFICATE OF COMPLETION

# React + Redux Course: Fundamentals and 2 Apps from Absolute ZERO!

Instructors **Leonardo Moura Leitao, Cod3r Cursos Online**

## Rillian Diello Lucas Pires

Date: **March 15, 2022**
Workload: **54.5 hours in total**

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

udemy

Nº do certificado: UC-2cfb199a-344e-46b0-b1bc-2a661eb1b6bb
URL do certificado: ude.my/UC-2cfb199a-344e-46b0-b1bc-2a661eb1b6bb
Número de referência: 0004

CERTIFICADO DE CONCLUSÃO

# Curso React + Redux: Fundamentos e 2 Apps do Absoluto ZERO!

Instrutores **Leonardo Moura Leitao, Cod3r Cursos Online**

## Rillian Diello Lucas Pires

Data **15 de Março de 2022**
Duração **54.5 horas no total**

# CERTIFICATE

Full Cycle hereby certifies that the student

## RILLIAN DIELLO LUCAS PIRES

Completed the Fundamentals of software architecture module from 05/13/2025 to 05/19/2025, with a total workload of 15 hours, as part of the

FULL CYCLE 3.0

training program

Digital Certificate

a6a55a9e-4229-4102-8910-996f46fec883



Wesley Willians Ramos da Silva

Director

FullCycle

Full Cycle LTDA - CNPJ: 38.167.943/0001-86 - Rua Hércules Mazzoni, No. 1.334 ZIP Code: 13330-250 Centro - Indaiatuba - São Paulo

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

# CERTIFICADO

**A Full Cycle certifica que o aluno**

## RILLIAN DIELLO LUCAS PIRES

Concluiu o módulo Fundamentos da arquitetura de software no período de 13/05/2025 à 19/05/2025 com carga horária total de 15 horas, do treinamento

FULL CYCLE 3.0

**Certificado Digital**

a6a55a9e-4229-4102-8910-996f46fec883



**Wesley Willians Ramos da Silva**

Diretor

FullCycle

Full Cycle LTDA - CNPJ: 38.167.943/0001-86 - Rua Hércules Mazzoni, nº 1.334 Cep: 13330-250 Centro - Indaiatuba - SP

# CERTIFICATE

Full Cycle hereby certifies that the student

## RILLIAN DIELLO LUCAS PIRES

Completed the SOLID Express module from 05/19/2025 to 05/19/2025,
with a total workload of 3 hours, as part of the

FULL CYCLE 3.0

training program

Digital Certificate

e1d542ab-5923-4f2c-a56f-79427a9709ef

FullCycle

Wesley Willians Ramos da Silva

Director

Full Cycle LTDA - CNPJ: 38.167.943/0001-86 - Rua Hércules Mazzoni, No. 1.334 ZIP Code: 13330-250 Centro - Indaiatuba - São Paulo

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

# CERTIFICADO

**A Full Cycle certifica que o aluno**

## RILLIAN DIELLO LUCAS PIRES

Concluiu o módulo SOLID Express no período de 19/05/2025 à 19/05/2025
com carga horária total de 3 horas, do treinamento

FULL CYCLE 3.0

**Certificado Digital**

e1d542ab-5923-4f2c-a56f-79427a9709ef



**Wesley Willians Ramos da Silva**

Diretor

FullCycle

Full Cycle LTDA - CNPJ: 38.167.943/0001-86 - Rua Hércules Mazzoni, nº 1.334 Cep: 13330-250 Centro - Indaiatuba - SP

# CERTIFICATE

Full Cycle hereby certifies that the student

## RILLIAN DIELLO LUCAS PIRES

Completed the Event Storming in Practice module from 08/16/2025 to 08/30/2025,
with a total workload of 4 hours, as part of the

FULL CYCLE 3.0

training program

Digital Certificate

43d39880-06bc-4dd3-bcbe-a8764650b00f

FullCycle

Wesley Willians Ramos da Silva

Director

Full Cycle LTDA - CNPJ: 38.167.943/0001-86 - Rua Hércules Mazzoni, No. 1.334 ZIP Code: 13330-250 Centro - Indaiatuba - São Paulo

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

# CERTIFICADO

**A Full Cycle certifica que o aluno**

## RILLIAN DIELLO LUCAS PIRES

Concluiu o módulo Event Storming na Prática no período de 16/08/2025 à 30/08/2025
com carga horária total de 4 horas, do treinamento

FULL CYCLE 3.0

**Certificado Digital**

43d39880-06bc-4dd3-bcbe-a8764650b00f

FullCycle



**Wesley Willians Ramos da Silva**

Diretor

# Certificate of Completion

*We hereby certify that Rillian Diello Lucas Pires successfully completed 4.5 hours of the online course Introduction to Vue JS 2 on January 1, 2020*

Guia Código - Guilherme Ferreira

Guia Código - Guilherme Ferreira, Instructor

&

Udemy

#BeAble

Certificate No.: UC-HPJRPSOS
Certificate URL: ude.my/UC-HPJRPSOS

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

# Certificado de Conclusão

*Certificamos que Rillian Diello Lucas Pires concluiu com sucesso 4,5 horas do curso online Introdução ao Vue JS 2 em 7 de Janeiro de 2020*

*Guia Código - Guilherme Ferreira*

GuiaCódigo - Guilherme Ferreira, Instrutor

&

Udemy

#BeAble

Nº do certificado: **UC-HPJRPSOS**
Url do certificado: **ude.my/UC-HPJRPSOS**

# Certificate of Completion

*We hereby certify that* ***Rillian Diello Lucas Pires*** *successfully completed a total of 11 hours of the online course* ***Angular 11 Training - The beginning by creating 7 projects*** *on January 23, 2021*

Marcio Casale de Souza

Marcio Casale de Souza, Instructor

&

Udemy

Certificate No.: **UC-8b99f0bd-5669-40a8-affc-0654030a27eb**
Certificate URL: **ude.my/UC-8b99f0bd-5669-40a8-affc-0654030a27eb**
Version 3

#BeAble

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

# Certificado de Conclusão

*Certificamos que* ***Rillian Diello Lucas Pires***
*concluiu com êxito 11 total hours do curso online*
***Formação Angular 11 - O início criando 7 projetos***
*em 23 de Janeiro de 2021*

*Marcio Casale de Souza*
Marcio Casale de Souza, Instrutor

&

Udemy

Nº do certificado: **UC-8b99f0bd-5669-40a8-affc-0654030a27eb**
URL do certificado: **ude.my/UC-8b99f0bd-5669-40a8-affc-0654030a27eb**
Versão 3

#BeAble

# Certificate of Completion

*We hereby certify that* ***Rillian Diello Lucas Pires*** *successfully completed a total of 37 hours of the online course* ***C# COMPLETE 2020 Object-Oriented Programming + Projects*** *on May 28, 2020*

Nelio Alves

Nelio Alves, Instructor

&

Udemy

Certificate No.: UC-6a961306-a9a9-45b8-a65c-5ee051298c5c
Certificate URL: ude.my/UC-6a961306-a9a9-45b8-a65c-5ee051298c5c

#BeAble

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

# Certificado de Conclusão

*Certificamos que* ***Rillian Diello Lucas Pires*** *concluiu com sucesso 37 total horas do curso online* ***C# COMPLETO 2020 Programação Orientada a Objetos + Projetos*** *em 28 de Maio de 2020*

Nelio Alves

Nelio Alves, Instrutor

&

Udemy

Nº do certificado: **UC-6a961306-a9a9-45b8-a65c-5ee051298c5c**
Url do certificado: **ude.my/UC-6a961306-a9a9-45b8-a65c-5ee051298c5c**

#BeAble

# Certificate of Completion

*We hereby certify that **Rillian Diello Lucas Pires** successfully completed a total of 11.5 hours of the online course **Laravel 5.5 with Vue JS** on August 23, 2020*

Guilherme Ferreira

Guilherme Ferreira, Instructor

&

Udemy

Certificate No.: UC-da874503-2269-46d2-9b2f-623fcc5b521e
Certificate URL: ude.my/UC-da874503-2269-46d2-9b2f-623fcc5b521e

#BeAble

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

# Certificado de conclusão

*Certificamos que* ***Rillian Diello Lucas Pires*** *concluiu com sucesso 11,5 horas, no total do curso online* ***Laravel 5.5 com Vue JS*** *em 23 de Agosto de 2020*

*Guilherme Ferreira*

Guilherme Ferreira, Instrutor

&

Udemy

Nº do certificado: **UC-da874503-2269-46d2-9b2f-623fcc5b521e**
URL do certificado: **ude.my/UC-da874503-2269-46d2-9b2f-623fcc5b521e**

#BeAble

udemy

Certificate No.: UC-3d8c4f64-b8f6-4d4f-bc9f-c10e82e35ee2
Certificate URL: ude.my/UC-3d8c4f64-b8f6-4d4f-bc9f-c10e82e35ee2
Reference Number: 0004

CERTIFICATE OF COMPLETION

# Laravel: Building REST APIs

Instructors **Nanderson Castro, Code Experts Cursos Online de Programação na Prática**

## Rillian Diello Lucas Pires

Date: **May 2, 2022**
Workload: **11 hours in total**

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 3, 2026.

udemy

Nº do certificado: UC-3d8c4f64-b8f6-4d4f-bc9f-c10e82e35ee2
URL do certificado: ude.my/UC-3d8c4f64-b8f6-4d4f-bc9f-c10e82e35ee2
Número de referência: 0004

CERTIFICADO DE CONCLUSÃO

# Laravel: Construindo APIs REST

Instrutores **Nanderson Castro, Code Experts Cursos Online de Programação na Prática**

## Rillian Diello Lucas Pires

Data **2 de Maio de 2022**
Duração **11 horas no total**

EESC · USP
Escola de Engenharia de São Carlos
Universidade de São Paulo

XI Workshop de Visão Computacional
05 a 07 de Outubro, 2015 - EESC/USP - São Carlos

LAVI
EESC-USP
Laboratório de Visão Computacional

# *Certificate of Presentation*

We hereby confirm that the paper **"Identification of foliar soybean diseases using local descriptors"**, authored by **Jonatan Patrick Oruê (UFMS); Wesley Gonçalves (UFMS); Wesley Eiji Kanashiro (UFMS); Rillian Diello Pires (UFMS); Bruno Machado (UFMS); Mauro Arruda (UFMS)**, was presented in a **poster session** at the *XI Workshop de Visão Computacional (WVC 2015)*, held at São Carlos School of Engineering - University of São Paulo on October 05-07, 2015.

São Carlos, October 07th, 2015.

**Evandro Luís Linhari Rodrigues**
Chair of Steering Committee WVC 2015

**Marcelo Andrade da Costa Vieira**
Chair of Organizing Committee WVC 2015

EESC · USP

**Federative Republic of Brazil**
**Ministry of Education**
**FEDERAL UNIVERSITY OF MATO GROSSO DO SUL**

The President of the Federal University of Mato Grosso do Sul,
in the exercise of her duties and in view of the completion of the

***Computer Science Program***

on July 12, 2014, confers the degree of

***Bachelor***

TO

*Rillian Diello Lucas Pires*

Identity Card No. 47.117.995-4 SSP/SP, Brazilian, born on December 27, 1990, in the State of São Paulo

and hereby awards this diploma
so that the holder may enjoy all legal rights and prerogatives.
Campo Grande, August 20, 2014

Academic Administration Coordination
Rúbia Mara de Oliveira Santos

Graduate

President
Célia Mana Silva Correa Oliveira

FEDERATIVE REPUBLIC OF BRAZIL
ORDER AND PROGRESS

**FEDERAL UNIVERSITY**
**OF MATO GROSSO DO SUL**
**SCHOOL OF COMPUTING**
**FACOM**

**COMPUTER SCIENCE PROGRAM – BACHELOR'S DEGREE**
Recognition: Ordinance / MEC No. 704, of 05/18/1992, published in the Official Gazette No. 94, of 05/19/1992.

**Renewal of Recognition:** Ordinance – SERES / MEC
No. 286, of 12/21/2012, Official Gazette No. 249, of 12/27/2012.

MINISTRY OF EDUCATION
FEDERAL UNIVERSITY OF MATO GROSSO DO SUL
DIPLOMA

**Registered under No.:** 4446 **Book No.:** 217-GRAD

**Page No.:** 51 **Record No.:** 23104-0007278/2013-78

**in accordance with the provisions of §1, Article 48, of Law No. 9,394/96, which establishes the Guidelines and Bases of National Education (Official Gazette of 12/23/1996).**

**Campo Grande - Mato Grosso do Sul,** October 8, 2014

**Nilton Santos Mattos**
**Head of the Diploma Registration Division – Ordinance No. 396/2014**

**João Ricardo Filgueiras Tognini – Vice-President**
**By delegation of authority – Ordinance No. 998/2008**

Diploma Registration Division
UFMS
DIRD/RTR

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: December 29, 2025.

**República Federativa do Brasil**
**Ministério da Educação**
**FUNDAÇÃO UNIVERSIDADE FEDERAL DE MATO GROSSO DO SUL**

A Reitora da Fundação Universidade Federal de Mato Grosso do Sul,
no uso de suas atribuições e tendo em vista a conclusão do Curso de

*Ciência da Computação*

em 12 de julho de 2014, confere o título de

*Bacharel*

A

*Rillian Diello Lucas Pires*

Carteira de Identidade nº 47.117.995-4 SSP / SP, nascido aos 27 de dezembro de 1990, natural do Estado de São Paulo, nacionalidade brasileira

e outorga-lhe o presente diploma
a fim de que possa gozar de todos os direitos e prerrogativas legais.

Campo Grande, 20 de agosto de 2014

Coordenadoria de Administração Acadêmica
Rúbia Mara de Oliveira Santos

Diplomado

Reitora
Célia Maria Silva Correa Oliveira

REPÚBLICA FEDERATIVA DO BRASIL
ORDEM E PROGRESSO

**FUNDAÇÃO UNIVERSIDADE FEDERAL DE MATO GROSSO DO SUL**

**FACULDADE DE COMPUTAÇÃO**
**FACOM**

**CURSO DE CIÊNCIA DA COMPUTAÇÃO – BACHARELADO**
**Reconhecimento:** Portaria / MEC nº 704, de 18-05-1992, D.O.U. nº 94, de 19-05-1992.

**Renovação do Reconhecimento:** Portaria – SERES / MEC nº 286, de 21-12-2012, D.O.U. nº 249, de 27-12-2012.

**MINISTÉRIO DA EDUCAÇÃO**
**FUNDAÇÃO UNIVERSIDADE FEDERAL DE MATO GROSSO DO SUL**

**DIPLOMA**

**Registrado sob nº :** 43451 **Livro nº :** 217-GRAD
**Folha nº :** 51 **Processo nº :** 23104-0007278/2013-78

**de acordo com os termos do § 1º, do art. nº 48, da Lei nº 9.394/96, que estabelece as Diretrizes e Bases da Educação Nacional (DOU de 23/12/1996).**

**Campo Grande-MS,** 08 de outubro de 2014

**Nilton Santos Mattos**
**Chefe da Divisão de Registro de Diplomas - Portaria nº 396/2014.**

**João Ricardo Filgueiras Tognini - Vice-Reitor**
**Por delegação de competência - Portaria nº 998/2008.**

Divisão de Registro de Diplomas
UFMS
DIRD/RTR

Ministry of Education

**Federal University of Mato Grosso Do Sul**

*PROGRAD - Vice President's Office of Undergraduate Studies*

*DICE - Division of Academic Records*

# Academic Transcript

***FACOM - SCHOOL OF COMPUTING***

***1904/3 - COMPUTER SCIENCE - BACHELOR'S DEGREE***

RECOGNITION: ORDINANCE / MEC (*Ministry of Education*) No. 704, of 05/18/1992, Official Gazette No. 94, of 05/19/1992.
RENEWAL: ORDINANCE - SERES (*Secretariat for Regulation and Supervision of Higher Education*) / MEC No. 286, of 12/21/2012, Official Gazette No. 249, of 12/27/2012.

**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

## Admission Details

***Admission :*** *ADMISSION BY ENTRANCE EXAMINATION* ***Year :*** *2009*

***Entrance Exam :*** *11/30/2008 to 12/01/2008* ***Score :*** *5702.4273* ***Classification:***

***Subjects :*** *Writing, General Knowledge, Physics, Foreign Language, Portuguese Language, Mathematics, and Chemistry.*

## Personal Information

***Marital status :*** *Single* ***Sex :*** *Male* ***Date of Birth :*** *12/27/1990*

***Place of Birth :*** *JALES / SÃO PAULO* ***Nationality :*** *BRAZILIAN*

***Filiation :*** *OLIVAR PIRES / ZILDA SILVA LUCAS PIRES*

***Identity Card :*** *( CID ) 47.117.995-4 SSP/SP*

***Military Document :*** *( CDI ) 051672015438 MD / SP*

***Voter ID :*** *373000750183* ***Electoral District :*** *232* ***Polling Station :*** *0045* ***State :*** *São Paulo*

## Completion of High School / Higher Education

***Institution :*** *OSCAR ANTÔNIO DA COSTA STATE SCHOOL*

***City :*** *SÃO FRANCISCO / SÃO PAULO - BRAZIL* ***Year of Completion :*** *2008*

## Academic Origin (Transfer)

***Institution :***

***Year of Admission :*** ***Entrance Examination/Enem :***

***Subjects :***

## Academic Graduation

***Program Completion :*** *07/12/2014* ***Graduation Ceremony :*** *08/20/2014* ***Record :*** *23104-0007278/2013-78*

***Diploma Issuance :*** *10/08/2014* ***Registration No. :*** *43451*

***Registration Page :*** *51* ***Registration Book :*** *217-GRAD*

**Document issued online by the Federal University of Mato Grosso do Sul.**
**To verify its authenticity, visit https://siscad.ufms.br/validar and enter the code 5UZY.QM44.YM4Q.DERZ**
**Issued on 06/07/2017 at 7:50 PM. RGA (*General Academic Registry*) 2009.1904.060-0**

# Academic Transcript

***FACOM - SCHOOL OF COMPUTING***
***1904/3 - COMPUTER SCIENCE - BACHELOR'S DEGREE***

RECOGNITION: ORDINANCE / MEC No. 704, of 05/18/1992, Official Gazette No. 94, of 05/19/1992. RENEWAL: ORDINANCE - SERES / MEC No. 286, of 12/21/2012, Official Gazette No. 249, of 12/27/2012.

**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

**Academic Term**

IVE 2009/1 - 1 MAT 2009/1 - 1 MAT 2010/1 - 3 MAT 2011/1 - 5 MAT 2011/2 - 6 MPE 2012/1 - 0 MAT 2012/1 - 7 MAT 2012/2 - 8 MAT 2013/1 - 9 MAT 2013/2 - 10 MAT 2014/1 - 11 EDI 2014/1 – 11

| TERM | SUBJECT TAKEN | | WORKLOAD | GRADE | STATUS | TYPE |
|---|---|---|---|---|---|---|
| 2009.1 | | | | | | |
| | 0209.000002-3 | ALGORITHMS AND DATA STRUCTURES I | 136 | 5.0 | AP | OPT |
| | 0209.000132-6 | INTRODUCTION TO DIGITAL SYSTEMS | 68 | 6,7 | AP | OBR |
| | 0209.000098-8 | PROBABILITY AND STATISTICS | 68 | 5.0 | AP | OBR |
| 2010.1 | | | | | | |
| | 1919.000100-4 | ALGORITHMS AND PROGRAMMING I | 102 | 5.1 | AP | OBR |
| | 0206.000321-5 | CALCULUS I | 102 | 5.0 | AP | OBR |
| | 1919.000016-4 | DATA STRUCTURES AND PROGRAMMING | 102 | 5.1 | AP | OBR |
| | 1919.000096-2 | FUNDAMENTALS OF COMPUTATION THEORY | 102 | 5.0 | AP | OBR |
| | 1919.000051-2 | ASSEMBLY LANGUAGE | 68 | 5.0 | AP | OBR |
| | 1919.000052-0 | FORMAL LANGUAGES AND AUTOMATA | 68 | 6.8 | AP | OBR |
| | 1919.000146-2 | GRAPH THEORY AND ITS ALGORITHMS | 68 | 5.0 | AP | OBR |
| | 0206.000251-0 | LINEAR ALGEBRA | 68 | | DC | OBR |
| | 1919.000098-9 | FUNDAMENTALS OF INFORMATION TECHNOLOGY | 68 | | DC | OBR |
| | 0303.000797-0 | INTRODUCTION TO ADMINISTRATION | 68 | | DC | OBR |
| | 0206.000336-3 | VECTORS AND ANALYTICAL GEOMETRY | 68 | | DC | OBR |
| 2011.1 | | | | | | |
| | 1919.000014-8 | COMPUTER ARCHITECTURE I | 68 | 6.0 | AP | OBR |
| | 1919.000005-9 | DATABASES I | 68 | 6.7 | AP | OBR |
| | 1919.000020-2 | OPERATING SYSTEMS | 102 | 6.7 | AP | OBR |
| 2011.2 | | | | | | |
| | 1919.000002-4 | ALGORITHMS AND PROGRAMMING II | 102 | 6.3 | AP | OBR |
| | 1919.000124-1 | DATABASES II | 68 | 6.1 | AP | OPT |
| | 1919.000007-5 | COMPUTING AND SOCIETY | 68 | 7.9 | AP | OBR |
| | 1919.000008-3 | SOFTWARE ENGINEERING | 68 | 7.2 | AP | OBR |
| | 1919.000019-9 | COMPUTER NETWORKS | 102 | 5.0 | AP | OBR |
| 2012.1E | | | | | | |
| | 0206.000338-0 | CALCULUS II | 102 | 6.6 | AP | OBR |
| 2012.1 | | | | | | |
| | 1919.000027-0 | COMPUTER ARCHITECTURE II | 68 | 5.3 | AP | OBR |
| | 1919.000021-0 | OBJECT-ORIENTED PROGRAMMING LANGUAGE | 68 | 6.3 | AP | OBR |
| | 1919.000060-1 | WIRELESS NETWORKS | 68 | 5.9 | AP | OPT |

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# Academic Transcript

***FACOM - SCHOOL OF COMPUTING***

***1904/3 - COMPUTER SCIENCE - BACHELOR'S DEGREE***

RECOGNITION: ORDINANCE / MEC No. 704, of 05/18/1992, Official Gazette No. 94, of 05/19/1992. RENEWAL: ORDINANCE - SERES / MEC No. 286, of 12/21/2012, Official Gazette No. 249, of 12/27/2012.

**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

| | | | | | | |
|---|---|---|---|---|---|---|
| | 1919.000065-2 | DISTRIBUTED SYSTEMS | 68 | 6.0 | AP | OBR |
| 2012.2 | | | | | | |
| | 1919.000003-2 | OBJECT-ORIENTED SOFTWARE ANALYSIS AND DESIGN | 68 | 6.5 | AP | OBR |
| | 1919.000011-3 | WEB PROGRAMMING | 102 | 6.7 | AP | OBR |
| 2013.1 | | | | | | |
| | 1919.000025-3 | ALGORITHM ANALYSIS | 68 | 7.8 | AP | OBR |
| | 1919.000117-9 | COMPLEMENTARY ACTIVITIES | 51 | | AP | LEG |
| | 1919.000012-1 | ARTIFICIAL INTELLIGENCE | 68 | 7.1 | AP | OBR |
| | 0303.000746-6 | INTRODUCTION TO ECONOMICS | 68 | 7.7 | AP | OBR |
| | 1919.000050-4 | HARDWARE LAB | 68 | 5.2 | AP | OBR |
| | 1919.000069-5 | TOPICS IN DATABASES | 68 | 7.2 | AP | OPT |
| | 1919.000147-0 | UNDERGRADUATE THESIS I | 85 | | AP | OBR |
| 2013.2 | | | | | | |
| | 1919.000182-9 | SYSTEMS ADMINISTRATION I | 68 | 5.2 | AP | OPT |
| | 1919.000030-0 | COMPILERS I | 102 | 6.8 | AP | OBR |
| | 1919.000033-4 | COMPUTER GRAPHICS | 68 | 5.0 | AP | OBR |
| | 1919.000116-0 | MANDATORY INTERNSHIP | 204 | | AP | OBR |
| | 2201.000006-3 | NUMERICAL METHODS | 68 | 6.2 | AP | OBR |
| | 1919.000061-0 | NETWORK SECURITY | 102 | 6.6 | AP | OPT |
| | 1919.000078-4 | TOPICS IN INFORMATION SYSTEMS | 68 | 5.6 | AP | OPT |
| 2014.1 | | | | | | |
| | 1919.000148-9 | UNDERGRADUATE THESIS II | 85 | | AP | OBR |

**TOTAL WORKLOAD OF APPROVED SUBJECTS AND SUBJECTS EXEMPTED BY CURRICULUM ANALYSIS: 3315 class hours**
**MINIMUM WORKLOAD REQUIRED BY THE FEDERAL EDUCATION COUNCIL / NATIONAL EDUCATION COUNCIL: 3000 hours**
**MINIMUM WORKLOAD REQUIRED BY THE FEDERAL UNIVERSITY OF MATO GROSSO DO SUL: 3281 class hours**

**TOTAL WORKLOAD OF ELECTIVE SUBJECTS TAKEN (APPROVED OR EXEMPTED BY CURRICULUM ANALYSIS): 578 class hours**
**MINIMUM WORKLOAD OF ELECTIVE SUBJECTS REQUIRED BY THE FEDERAL UNIVERSITY OF MATO GROSSO DO SUL: 272 class hours**

**Academic Term**

IVE - ADMISSION BY ENTRANCE EXAMINATION
MAT - REGULARLY ENROLLED IN THE TERM
MPE - ENROLLMENT IN SPECIAL PERIOD
EDI - EXCLUSION DUE TO GRADUATION

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# Academic Transcript

***FACOM - SCHOOL OF COMPUTING***

***1904/3 - COMPUTER SCIENCE - BACHELOR'S DEGREE***

RECOGNITION: ORDINANCE / MEC No. 704, of 05/18/1992, Official Gazette No. 94, of 05/19/1992. RENEWAL: ORDINANCE - SERES / MEC No. 286, of 12/21/2012, Official Gazette No. 249, of 12/27/2012.

**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

| Note: | | Subject Type: |
|---|---|---|
| AP - Approved | MA - Enrolled | ENR - Curricular Enrichment |
| DC - Program Waived | RF - Failed by Absence | OBR - Mandatory |
| DE - Exceptionally Exempted | RN - Failed by Grade | OPT - Elective |
| DS - Exempted by Curriculum Analysis | RP - Failed | CEA - Specific Complementary for In-Depth Study |
| | | LEG - Required by Law |

**Enade (*National Student Performance Exam*)**

Entry Student:

Year: 2009 - Status: Student exempted from taking ENADE due to the triennial calendar

Enrolled Student:

Year: 2011 - Status: Student not eligible for Enade/2011

Graduate:

Year: 2014 - Status: Student eligible for ENADE, exempted by MEC Ordinance No. 8 of March 14, 2014

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*Ministry of Education*
***Federal University of Mato Grosso Do Sul***
*PROGRAD - Vice President's Office of Undergraduate Studies*
*DICE - Division of Academic Records*

# *Academic Transcript - Exempted Subjects*

**FACOM - SCHOOL OF COMPUTING**
**1904 - COMPUTER SCIENCE - BACHELOR'S DEGREE**

RECOGNITION: ORDINANCE / MEC No. 704, of 05/18/1992, Official Gazette No. 94, of 05/19/1992. RENEWAL: ORDINANCE - SERES / MEC No. 286, of 12/21/2012, Official Gazette No. 249, of 12/27/2012.

**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

**Academic Term**

IVE 2009/1 - 1 MAT 2009/1 - 1 MAT 2010/1 - 3 MAT 2011/1 - 5 MAT 2011/2 - 6 MPE 2012/1 - 0 MAT 2012/1 - 7 MAT 2012/2 - 8 MAT 2013/1 - 9 MAT 2013/2 - 10 MAT 2014/1 - 11 EDI 2014/1 - 11

| TERM | EXEMPT SUBJECT | | WORKLOAD | STATUS | EXEMPTION RESOLUTION | TYPE |
|---|---|---|---|---|---|---|
| 2010.1 | | | | | | |
| | 0206.000251-0 | LINEAR ALGEBRA | 68 | DC | No. 434, OF NOVEMBER 26, 2010 | OBR |
| | 1919.000098-9 | FUNDAMENTALS OF INFORMATION TECHNOLOGY | 68 | DC | No. 434, OF NOVEMBER 26, 2010 | OBR |
| | 0303.000797-0 | INTRODUCTION TO ADMINISTRATION | 68 | DC | No. 434, OF NOVEMBER 26, 2010 | OBR |
| | 0206.000336-3 | VECTORS AND ANALYTIC GEOMETRY | 68 | DC | No. 434, OF NOVEMBER 26, 2010 | OBR |

**TOTAL WORKLOAD OF SUBJECTS EXEMPTED BY CURRICULUM ANALYSIS:** **272 hours**

**Academic Term**

IVE - ADMISSION BY ENTRANCE EXAMINATION
MAT - REGULARLY ENROLLED IN THE TERM
MPE - ENROLLMENT IN SPECIAL PERIOD
EDI - EXCLUSION DUE TO GRADUATION

Note: DS - Exempted by Curriculum Analysis DC Curriculum Analysis - Exempted from Taking the Subject Type: OBR - Mandatory OPT - Elective ENR - Curricular Enrichment

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I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: December 26, 2025.

Ministério da Educação

**Universidade Federal de Mato Grosso do Sul**

PROGRAD - Pró-Reitoria de Graduação

DICE - Divisão de Controle Escolar

# Histórico Escolar

***FACOM - FACULDADE DE COMPUTAÇÃO***

***1904/3 - CIÊNCIA DA COMPUTAÇÃO - BACHARELADO***

RECONHECIMENTO: PORTARIA / MEC Nº 704, DE 18-05-1992, D.O.U. Nº 94, DE 19-05-1992 - RENOVAÇÃO: PORTARIA – SERES / MEC Nº 286, DE 21-12-2012, D.O.U. Nº 249, DE 27-12-2012.

**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

## Dados do Ingresso

***Ingresso :*** *INGRESSO POR VESTIBULAR* ***Ano :*** *2009*

***Vestibular :*** *30/11/2008 a 01/12/2008* ***Pontuação :*** *5702,4273* ***Classificação :***

***Disciplinas :*** *Redação, Conhecimentos Gerais, Física, Língua Estrangeira, Língua Portuguesa, Matemática e Química.*

## Dados Pessoais

***Estado Civil :*** *Solteiro* ***Sexo :*** *Masculino* ***Data de Nascimento :*** *27/12/1990*

***Naturalidade :*** *JALES / SP* ***Nacionalidade :*** *BRASILEIRA*

***Filiação :*** *OLIVAR PIRES / ZILDA SILVA LUCAS PIRES*

***Identidade :*** *( CID ) 47.117.995-4 SSP/ SP*

***Documento Militar :*** *( CDI ) 051672015438 MD / SP*

***Título de Eleitor :*** *373000750183* ***Zona :*** *232* ***Seção :*** *0045* ***Estado :*** *SP*

## Conclusão do Ensino Médio / Ensino Superior

***Instituição :*** *EE OSCAR ANTÔNIO DA COSTA*

***Cidade :*** *SÃO FRANCISCO / SP - BRA* ***Ano de Conclusão :*** *2008*

## Origem Acadêmica (Transferência)

***Instituição :***

***Ano de Ingresso :*** ***Vestibular/Enem :***

***Disciplinas :***

## Diplomação do Acadêmico

***Conclusão do Curso :*** *12/07/2014* ***Colação de Grau :*** *20/08/2014* ***Processo :*** *23104-0007278/2013-78*

***Expedição do Diploma :*** *08/10/2014* ***No. de Registro :*** *43451*

***Folha de Registro :*** *51* ***Livro de Registro :*** *217-GRAD*

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# Histórico Escolar

***FACOM - FACULDADE DE COMPUTAÇÃO***

***1904/3 - CIÊNCIA DA COMPUTAÇÃO - BACHARELADO***

RECONHECIMENTO: PORTARIA / MEC Nº 704, DE 18-05-1992, D.O.U. Nº 94, DE 19-05-1992 - RENOVAÇÃO: PORTARIA – SERES / MEC Nº 286, DE 21-12-2012, D.O.U. Nº 249, DE 27-12-2012.

**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

**Período Acadêmico**

IVE 2009/1 - 1 MAT 2009/1 - 1 MAT 2010/1 - 3 MAT 2011/1 - 5 MAT 2011/2 - 6 MPE 2012/1 - 0 MAT 2012/1 - 7 MAT 2012/2 - 8 MAT 2013/1 - 9 MAT 2013/2 - 10 MAT 2014/1 - 11 EDI 2014/1 - 11

| PERÍODO | DISCIPLINA CURSADA | | C.H. | NOTA | OBS | TIPO |
|---|---|---|---|---|---|---|
| 2009.1 | | | | | | |
| | 0209.000002-3 | ALGORITMOS E ESTRUTURA DE DADOS I | 136 | 5,0 | AP | OPT |
| | 0209.000132-6 | INTRODUÇÃO AOS SISTEMAS DIGITAIS | 68 | 6,7 | AP | OBR |
| | 0209.000098-8 | PROBABILIDADE E ESTATÍSTICA | 68 | 5,0 | AP | OBR |
| 2010.1 | | | | | | |
| | 1919.000100-4 | ALGORITMOS E PROGRAMAÇÃO I | 102 | 5,1 | AP | OBR |
| | 0206.000321-5 | CÁLCULO I | 102 | 5,0 | AP | OBR |
| | 1919.000016-4 | ESTRUTURAS DE DADOS E PROGRAMAÇÃO | 102 | 5,1 | AP | OBR |
| | 1919.000096-2 | FUNDAMENTOS DE TEORIA DA COMPUTAÇÃO | 102 | 5,0 | AP | OBR |
| | 1919.000051-2 | LINGUAGEM DE MONTAGEM | 68 | 5,0 | AP | OBR |
| | 1919.000052-0 | LINGUAGENS FORMAIS E AUTÔMATOS | 68 | 6,8 | AP | OBR |
| | 1919.000146-2 | TEORIA DOS GRAFOS E SEUS ALGORITMOS | 68 | 5,0 | AP | OBR |
| | 0206.000251-0 | ÁLGEBRA LINEAR | 68 | | DC | OBR |
| | 1919.000098-9 | FUNDAMENTOS DE TECNOLOGIA DA INFORMAÇÃO | 68 | | DC | OBR |
| | 0303.000797-0 | INTRODUÇÃO À ADMINISTRAÇÃO | 68 | | DC | OBR |
| | 0206.000336-3 | VETORES E GEOMETRIA ANALÍTICA | 68 | | DC | OBR |
| 2011.1 | | | | | | |
| | 1919.000014-8 | ARQUITETURA DE COMPUTADORES I | 68 | 6,0 | AP | OBR |
| | 1919.000005-9 | BANCO DE DADOS I | 68 | 6,7 | AP | OBR |
| | 1919.000020-2 | SISTEMAS OPERACIONAIS | 102 | 6,7 | AP | OBR |
| 2011.2 | | | | | | |
| | 1919.000002-4 | ALGORITMOS E PROGRAMAÇÃO II | 102 | 6,3 | AP | OBR |
| | 1919.000124-1 | BANCO DE DADOS II | 68 | 6,1 | AP | OPT |
| | 1919.000007-5 | COMPUTAÇÃO E SOCIEDADE | 68 | 7,9 | AP | OBR |
| | 1919.000008-3 | ENGENHARIA DE SOFTWARE | 68 | 7,2 | AP | OBR |
| | 1919.000019-9 | REDES DE COMPUTADORES | 102 | 5,0 | AP | OBR |
| 2012.1E | | | | | | |
| | 0206.000338-0 | CÁLCULO II | 102 | 6,6 | AP | OBR |
| 2012.1 | | | | | | |
| | 1919.000027-0 | ARQUITETURA DE COMPUTADORES II | 68 | 5,3 | AP | OBR |
| | 1919.000021-0 | LINGUAGEM DE PROGRAMAÇÃO ORIENTADA A OBJETOS | 68 | 6,3 | AP | OBR |
| | 1919.000060-1 | REDES SEM FIO | 68 | 5,9 | AP | OPT |

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# Histórico Escolar

***FACOM - FACULDADE DE COMPUTAÇÃO***

***1904/3 - CIÊNCIA DA COMPUTAÇÃO - BACHARELADO***

RECONHECIMENTO: PORTARIA / MEC Nº 704, DE 18-05-1992, D.O.U. Nº 94, DE 19-05-1992 - RENOVAÇÃO: PORTARIA – SERES / MEC Nº 286, DE 21-12-2012, D.O.U. Nº 249, DE 27-12-2012.

**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

| | | | | | | |
|---|---|---|---|---|---|---|
| | 1919.000065-2 | SISTEMAS DISTRIBUÍDOS | 68 | 6,0 | AP | OBR |
| 2012.2 | | | | | | |
| | 1919.000003-2 | ANÁLISE E PROJETO DE SOFTWARE ORIENTADO A OBJETOS | 68 | 6,5 | AP | OBR |
| | 1919.000011-3 | PROGRAMAÇÃO PARA A WEB | 102 | 6,7 | AP | OBR |
| 2013.1 | | | | | | |
| | 1919.000025-3 | ANÁLISE DE ALGORITMOS | 68 | 7,8 | AP | OBR |
| | 1919.000117-9 | ATIVIDADES COMPLEMENTARES | 51 | | AP | LEG |
| | 1919.000012-1 | INTELIGÊNCIA ARTIFICIAL | 68 | 7,1 | AP | OBR |
| | 0303.000746-6 | INTRODUÇÃO À ECONOMIA | 68 | 7,7 | AP | OBR |
| | 1919.000050-4 | LABORATÓRIO DE HARDWARE | 68 | 5,2 | AP | OBR |
| | 1919.000069-5 | TÓPICOS EM BANCOS DE DADOS | 68 | 7,2 | AP | OPT |
| | 1919.000147-0 | TRABALHO DE CONCLUSÃO DE CURSO I | 85 | | AP | OBR |
| 2013.2 | | | | | | |
| | 1919.000182-9 | ADMINISTRAÇÃO DE SISTEMAS I | 68 | 5,2 | AP | OPT |
| | 1919.000030-0 | COMPILADORES I | 102 | 6,8 | AP | OBR |
| | 1919.000033-4 | COMPUTAÇÃO GRÁFICA | 68 | 5,0 | AP | OBR |
| | 1919.000116-0 | ESTÁGIO OBRIGATÓRIO | 204 | | AP | OBR |
| | 2201.000006-3 | MÉTODOS NUMÉRICOS | 68 | 6,2 | AP | OBR |
| | 1919.000061-0 | SEGURANÇA DE REDES | 102 | 6,6 | AP | OPT |
| | 1919.000078-4 | TÓPICOS EM SISTEMAS DE INFORMAÇÃO II | 68 | 5,6 | AP | OPT |
| 2014.1 | | | | | | |
| | 1919.000148-9 | TRABALHO DE CONCLUSÃO DE CURSO II | 85 | | AP | OBR |

**TOTAL DE C.H. DAS DISCIPLINAS APROVADAS E DAS DISPENSADAS POR ANÁLISE CURRICULAR : 3315 horas-aula**

**CARGA HORÁRIA MÍNIMA EXIGIDA PELO C.F.E/ C.N.E. : 3000 horas**

**CARGA HORÁRIA MÍNIMA EXIGIDA PELA FUFMS : 3281 horas-aula**

**TOTAL DE C.H. DAS OPTATIVAS CURSADAS (APROVADAS OU DISPENSADAS POR ANÁLISE CURRICULAR): 578 horas-aula**

**CARGA HORÁRIA MÍNIMA DE OPTATIVAS EXIGIDA PELA FUFMS: 272 horas-aula**

**Período Acadêmico:**

IVE - INGRESSO POR VESTIBULAR
MAT - REGULARMENTE MATRICULADO NO PERÍODO
MPE - MATRÍCULA EM PERÍODO ESPECIAL
EDI - EXCLUSÃO POR DIPLOMAÇÃO

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# Histórico Escolar

***FACOM - FACULDADE DE COMPUTAÇÃO***

***1904/3 - CIÊNCIA DA COMPUTAÇÃO - BACHARELADO***

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**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

| Observação (OBS): | | Tipo de Disciplina: |
|---|---|---|
| AP - Aprovado | MA - Matriculado | ENR - Enriquecimento Curricular |
| DC - Dispensado de Cursar | RF - Reprovado por Falta | OBR - Obrigatória |
| DE - Dispensado Excepcionalmente | RN - Reprovado por Nota | OPT - Optativa |
| DS - Dispensado por Análise de Currículo | RP - Reprovado | CEA - Complementar Específica de Aprofundamento |
| | | LEG - Exigida pela Legislação |

**Enade**

Ingressante:

Ano: 2009 - Situação: Estudante dispensado de realização do ENADE, em razão do calendário trienal

Cursando:

Ano: 2011 - Situação: Estudante não habilitado ao Enade/2011

Concluinte:

Ano: 2014 - Situação: Estudante habilitado ao Enade dispensado pela Portaria MEC no. 8 de 14 de março de 2014

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*Ministério da Educação*
***Fundação Universidade Federal de Mato Grosso do Sul***
*PROGRAD - Pró-Reitoria de Graduação*
*DICE - Divisão de Controle Escolar*

## *Histórico Escolar - Disciplinas Dispensadas*

**FACOM - FACULDADE DE COMPUTAÇÃO**
**1904 - CIÊNCIA DA COMPUTAÇÃO - BACHARELADO**

RECONHECIMENTO: PORTARIA / MEC Nº 704, DE 18-05-1992, D.O.U. Nº 94, DE 19-05-1992 - RENOVAÇÃO: PORTARIA – SERES / MEC Nº 286, DE 21-12-2012, D.O.U. Nº 249, DE 27-12-2012.

**2009.1904.060-0** ***RILLIAN DIELLO LUCAS PIRES***

**Período Acadêmico**

IVE 2009/1 - 1 MAT 2009/1 - 1 MAT 2010/1 - 3 MAT 2011/1 - 5 MAT 2011/2 - 6 MPE 2012/1 - 0 MAT 2012/1 - 7 MAT 2012/2 - 8 MAT 2013/1 - 9 MAT 2013/2 - 10 MAT 2014/1 - 11 EDI 2014/1 - 11

| PERÍODO | DISCIPLINA DISPENSADA | | C.H. | OBS | RESOLUÇÃO DA DISPENSA | TIPO |
|---|---|---|---|---|---|---|
| 2010.1 | | | | | | |
| | 0206.000251-0 | ÁLGEBRA LINEAR | 68 | DC | Nº 434, DE 26 DE NOVEMBRO DE 2010 | OBR |
| | 1919.000098-9 | FUNDAMENTOS DE TECNOLOGIA DA INFORMAÇÃO | 68 | DC | Nº 434, DE 26 DE NOVEMBRO DE 2010 | OBR |
| | 0303.000797-0 | INTRODUÇÃO À ADMINISTRAÇÃO | 68 | DC | Nº 434, DE 26 DE NOVEMBRO DE 2010 | OBR |
| | 0206.000336-3 | VETORES E GEOMETRIA ANALÍTICA | 68 | DC | Nº 434, DE 26 DE NOVEMBRO DE 2010 | OBR |

**TOTAL DE C.H. DAS DISCIPLINAS DISPENSADAS POR ANÁLISE CURRICULAR : 272 horas**

**Período Acadêmico:**

IVE - INGRESSO POR VESTIBULAR
MAT - REGULARMENTE MATRICULADO NO PERÍODO
MPE - MATRÍCULA EM PERÍODO ESPECIAL
EDI - EXCLUSÃO POR DIPLOMAÇÃO

Observação (OBS): DS - Dispensado por Análise de Currículo DC - Dispensado de Cursar
Tipo: OBR - Obrigatória OPT - Optativa ENR - Enriquecimento Curricular

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**MUNICIPAL GOVERNMENT OF CAMPO GRANDE - MS**

COMPANY REGISTRATION REQUEST

| Protocol No. | Request Date | Delivery Method |
|---|---|---|
| **CGR1444622020-5** | 09/16/2020 | Online |

IDENTIFICATION OF THE LEGAL ENTITY

| Name of Responsible Party | CPF |
|---|---|
| RILLIAN DIELLO LUCAS PIRES | 385.898.458-26 |
| **Corporate Name** | **CNPJ** |
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 38.299.888/0001-88 |

Address

RUA ITIQUIRA, 458

SANTA FE NEIGHBORHOOD – Campo Grande/MS – ZIP Code: 79021290

Email Address

RILLIANSF@GMAIL.COM

I, RILLIAN DIELLO LUCAS PIRES, CPF No. 385.898.458-26, legal representative of the company RILLIAN DIELLO LUCAS PIRES DESENVOLV, registered with the CNPJ/MF under No. 38.299.888/0001-88, HEREBY INFORM that I submitted the Company Registration Request on the City Hall website and REQUEST authorization to allow access to information pertaining exclusively to the legal entity mentioned above:

**I DECLARE** that I am aware that the Electronic Password for the Electronic Tax Invoice for Services (NFSe) is non-transferable and constitutes the electronic signature of the legal entity.

**I ASSUME** full responsibility for the improper use of the NFSe.

CAMPO GRANDE, September 16, 2020

Rillian Diello Lucas Pires

Signature of the legal representative

Name: RILLIAN DIELLO LUCAS PIRES

CPF: 385.898.458-26

## CNPJ: 38.299.888/0001-88 - Protocol: CGR1444622020-5

The NFSe COMPANY REGISTRATION REQUEST must be submitted to the Citizen Service Center, located at Rua Cândido Mariano, 2655 – Centro.

The original identification document of the grantor bearing a photograph must be presented to enable the responsible official to verify the signature.

In cases where the signatory to this Company Registration Request is an attorney-in-fact, it is mandatory to attach the power of attorney granted by the interested party, authorizing the attorney-in-fact to represent them in this matter, and the original identification document of the grantor bearing a photograph, to enable the responsible official to verify the signature.

Please attach simple copies and the originals, for verification purposes, of the following documents:

a) company registration request protocol for obtaining the password to access the NFS-e System, issued through the website of the Municipal Revenue Department;
b) the original CPF document, the original identification document of the legal representative, the original legal entity's articles of incorporation, and any amendments thereto;
c) the original or an authenticated copy of the public or private power of attorney with notarized signature, accompanied by the original CPF document and identification document of the grantee;

This request shall be valid for 30 (thirty) days from the date of issuance.

**COMPANY REGISTRATION REQUEST PROTOCOL**

Corporate Name: RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA

CNPJ: 38.299.888/0001-88

Received on: ____/____/_____

No.: CGR1444622020-5

_____

Employee's Signature and Stamp

**MUNICIPAL GOVERNMENT OF CAMPO GRANDE - MS**

COMPANY REGISTRATION REQUEST

**ANNEX**

I hereby declare that the information regarding the reported activities is carried out by the company and complies with Municipal Legislation. The company is subject to inspection and penalties by the Tax Authorities.

Activities Included in the Company Registration Request - CNPJ: 38.299.888/0001-88

**Activities Existing in the City Hall's Records**

| CNAE | Description | Service |
|---|---|---|
| 6201-5/01-00 | COMPUTER PROGRAM DEVELOPMENT | 99.91 |
| 6202-3/00-00 | Development and licensing of computer programs | 01.05 |
| 6209-1/00-00 | Technical support, maintenance, and other services in t | 01.07 |
| 6319-4/00-00 | Portals, content providers, and other services | 01.03 |
| 6201-5/02-00 | Development/creation of interfaces for the Internet | 01.04 |
| 6203-1/00-00 | Development and licensing of computer programs | 01.05 |
| 6204-0/00-00 | Information technology consulting | 01.06 |
| 8599-6/03-00 | Computer training | 08.02 |
| 6311-9/00-00 | Data processing, application service providers | 01.03 |

**CNAE Activities Entered by the Applicant**

| CNAE | Description | Service |
|---|---|---|
| 6209-1/00-00 | TECHNICAL SUPPORT, MAINTENANCE AND OTHER SERVICE | 01.07 |
| 6311-9/00-00 | DATA PROCESSING, SERVICE PROVIDERS | 01.03 |
| 8599-6/03-00 | COMPUTER TRAINING | 08.02 |
| 6202-3/00-00 | DEVELOPMENT AND LICENSING OF COMPUTER PROGRAM | 01.05 |
| 6204-0/00-00 | INFORMATION TECHNOLOGY CONSULTING | 01.06 |
| 6319-4/00-00 | PORTALS, CONTENT PROVIDERS AND OTHERS | 01.03 |
| 6201-5/02-00 | DEVELOPMENT/CREATION OF INTERFACES | 01.04 |
| 6201-5/01-00 | DEVELOPMENT OF COMPUTER PROGRAM | 99.91 |
| 6203-1/00-00 | DEVELOPMENT AND LICENSING OF PROGRAM | 01.05 |

**I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**

Marina Viana

**Date: September 11, 2026**

**PREFEITURA MUNICIPAL DE CAMPO GRANDE - MS**

SOLICITAÇÃO DE CREDENCIAMENTO DE EMPRESA

| Nº do Protocolo | Data da Solicitação | Regime de Entrega |
|---|---|---|
| **CGR1444622020-5** | 16/09/2020 | Online |

IDENTIFICAÇÃO DA PESSOA JURÍDICA

| Nome Responsável | CPF |
|---|---|
| RILLIAN DIELLO LUCAS PIRES | 385.898.458-26 |
| **Razão Social** | **CNPJ** |
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 38.299.888/0001-88 |

Endereço

RUA ITIQUIRA, 458

BAIRRO SANTA FE - Campo Grande/MS - CEP: 79021290

Endereço Eletrônico

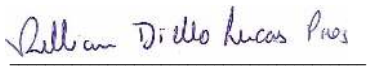
RILLIANSF@GMAIL.COM

Eu, RILLIAN DIELLO LUCAS PIRES - CPF: 385.898.458-26, representante legal da empresa RILLIAN DIELLO LUCAS PIRES DESENVOLV
inscrita no CNPJ/MF, sob nº 38.299.888/0001-88 INFORMO que efetuei a Solicitação de Credenciamento no site da
Prefeitura e SOLICITO autorização para permitir o acesso às informações de interesse exclusivo da pessoa jurídica mencionada acima:

**DECLARO** ter ciência que a Senha Eletrônica da Nota Fiscal de Serviços Eletrônica (NFSe) é intransferível
e que representa a assinatura eletrônica da pessoa jurídica.

**ASSUMO** total responsabilidade decorrente do uso indevido da NFSe.

CAMPO GRANDE, 16 de Setembro de 2020



Assinatura do(a) representante legal

Nome: RILLIAN DIELLO LUCAS PIRES

CPF: 385.898.458-26

## CNPJ: 38.299.888/0001-88 - Protocolo: CGR1444622020-5

A SOLICITAÇÃO DE CREDENCIAMENTO DA NFSe deverá ser entregue no Central de Atendimento do Cidadão localizada na Rua CÂ¢ndido Mariano, 2655 - Centro.

Apresentar documento original do outorgante com fotografia para possibilitar a conferência da assinatura pelo servidor responsável.

Para os casos em que o signatário desta Solicitação de Credenciamento for procurador, é obrigatório anexar a procuração do interessado, autorizando o procurador a representá-lo neste ato, e documento original do outorgante com fotografia, para possibilitar a conferência da assinatura pelo servidor responsável.

Favor anexar cópia simples e originais, para conferência, dos seguintes documentos:

a) protocolo de solicitação de credenciamento para obtenção da senha de acesso ao Sistema NFS-e, emitido por meio do site da Secretaria Municipal da Receita;
b) via original do CPF, do Documento de Identificação do representante legal, dos atos constitutivos da pessoa jurídica e suas alterações;
c) via original ou cópia autêntica da procuração pública ou particular com firma reconhecida, acompanhada da via original do CPF e de Documento de Identificação do outorgado;

Esta solicitação terá validade de 30 (trinta) dias a partir de sua emissão.

**PROTOCOLO DE SOLICITAÇÃO DE CREDENCIAMENTO DE EMPRESA**

Razão Social: RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA

CNPJ: 38.299.888/0001-88

Recebido em ____/____/_____

Nº: CGR1444622020-5

_____

Assinatura e carimbo do funcionário

**PREFEITURA MUNICIPAL DE CAMPO GRANDE - MS**

SOLICITAÇÃO DE CREDENCIAMENTO DE EMPRESA

**ANEXO**

Declaro que as informações relativas às atividades informadas são realizadas pela empresa e se encontram em conformidade com a Legislação Municipal. Sendo passível de fiscalização e punições por parte do Fisco

Atividades Presentes na Solicitação de Credenciamento da Empresa CNPJ 38.299.888/0001-88

**Atividades Existentes no Cadastro da Prefeitura**

| CNAE | Descrição | Serviço |
|---|---|---|
| 6201-5/01-00 | DESENVOLVIMENTO DE PROGRAMA DE COMPUTADOR | 99.91 |
| 6202-3/00-00 | Desenvolvimento e licenciamento de programas de co | 01.05 |
| 6209-1/00-00 | Suporte tecnico, manutencao e outros servicos em t | 01.07 |
| 6319-4/00-00 | Portais, provedores de conteudo e outros servicos | 01.03 |
| 6201-5/02-00 | o desenvolvimento/criação de interfaces para a int | 01.04 |
| 6203-1/00-00 | Desenvolvimento e licenciamento de programas de co | 01.05 |
| 6204-0/00-00 | Consultoria em tecnologia da informacao | 01.06 |
| 8599-6/03-00 | Treinamento em informatica | 08.02 |
| 6311-9/00-00 | Tratamento de dados, provedores de servicos de apl | 01.03 |

**Atividades CNAE inseridas pelo Solicitante**

| CNAE | Descrição | Serviço |
|---|---|---|
| 6209-1/00-00 | SUPORTE TECNICO, MANUTENCAO E OUTROS SER | 01.07 |
| 6311-9/00-00 | TRATAMENTO DE DADOS, PROVEDORES DE SERVI | 01.03 |
| 8599-6/03-00 | TREINAMENTO EM INFORMATICA | 08.02 |
| 6202-3/00-00 | DESENVOLVIMENTO E LICENCIAMENTO DE PROGR | 01.05 |
| 6204-0/00-00 | CONSULTORIA EM TECNOLOGIA DA INFORMACAO | 01.06 |
| 6319-4/00-00 | PORTAIS, PROVEDORES DE CONTEUDO E OUTROS | 01.03 |
| 6201-5/02-00 | o desenvolvimento/criação de interfaces | 01.04 |
| 6201-5/01-00 | DESENVOLVIMENTO DE PROG DE COMPUT | 99.91 |
| 6203-1/00-00 | DESENVOLVIMENTO E LICENCIAMENTO DE PROGR | 01.05 |

# FEDERATIVE REPUBLIC OF BRAZIL

# NATIONAL REGISTER OF LEGAL ENTITIES

| REGISTRATION NUMBER<br>**38.299.888/0001-88**<br>**HEAD OFFICE** | **CERTIFICATE OF ENROLLMENT AND REGISTRATION STATUS** | DATE OF INCORPORATION<br>**09/01/2020** |
|---|---|---|

COMPANY NAME
**RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**

| TRADE NAME | SIZE |
|---|---|
| **RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE** | **MICROENTERPRISE** |

CODE AND DESCRIPTION OF MAIN ECONOMIC ACTIVITY
**62.01-5-01 – Development of custom computer programs**

CODE AND DESCRIPTION OF SECONDARY ECONOMIC ACTIVITIES
**62.01-5-02 – Web design**
**62.02-3-00 – Development and licensing of customizable computer programs**
**62.03-1-00 – Development and licensing of non-customizable computer programs**
**62.04-0-00 – Information technology consulting**
**62.09-1-00 – Technical support, maintenance, and other information technology services**
**63.11-9-00 – Data processing, application service providers, and Internet hosting services**
**63.19-4-00 – Portals, content providers, and other information services on the Internet**
**85.99-6-03 – Computer training**

CODE AND DESCRIPTION OF LEGAL NATURE
**206-2 - Limited Liability Company**

| ADDRESS | NUMBER | UNIT |
|---|---|---|
| **R ITIQUIRA** | **458** | ******** |

| ZIP CODE | NEIGHBORHOOD/DISTRICT | CITY | STATE |
|---|---|---|---|
| **79.021-290** | **SANTA FE** | **CAMPO GRANDE** | **MS** |

| EMAIL ADDRESS | PHONE NUMBER |
|---|---|
| **MEUCNPJ@CONTABILIZEI.COM.BR** | **(41) 9686-9828** |

RESPONSIBLE FEDERAL ENTITY (RFE)
******

| REGISTRATION STATUS | REGISTRATION STATUS DATE |
|---|---|
| **ACTIVE** | **09/01/2020** |

REASON FOR REGISTRATION STATUS

| SPECIAL STATUS | SPECIAL STATUS DATE |
|---|---|
| ******* | ******* |

Approved by RFB Normative Instruction No. 1,863 of December 27, 2018.

Issued on **09/03/2020, at 3:23:31 PM** (Brasília date and time).

**I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**

Marina Viana

**Date: September 11, 2026**

# REPÚBLICA FEDERATIVA DO BRASIL

## CADASTRO NACIONAL DA PESSOA JURÍDICA

| NÚMERO DE INSCRIÇÃO | COMPROVANTE DE INSCRIÇÃO E DE SITUAÇÃO CADASTRAL | DATA DE ABERTURA |
|---|---|---|
| **38.299.888/0001-88**<br>**MATRIZ** | | **01/09/2020** |

NOME EMPRESARIAL
**RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**

| TÍTULO DO ESTABELECIMENTO (NOME DE FANTASIA) | PORTE |
|---|---|
| **RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE** | **ME** |

CÓDIGO E DESCRIÇÃO DA ATIVIDADE ECONÔMICA PRINCIPAL
**62.01-5-01 - Desenvolvimento de programas de computador sob encomenda**

CÓDIGO E DESCRIÇÃO DAS ATIVIDADES ECONÔMICAS SECUNDÁRIAS
**62.01-5-02 - Web design**
**62.02-3-00 - Desenvolvimento e licenciamento de programas de computador customizáveis**
**62.03-1-00 - Desenvolvimento e licenciamento de programas de computador não-customizáveis**
**62.04-0-00 - Consultoria em tecnologia da informação**
**62.09-1-00 - Suporte técnico, manutenção e outros serviços em tecnologia da informação**
**63.11-9-00 - Tratamento de dados, provedores de serviços de aplicação e serviços de hospedagem na internet**
**63.19-4-00 - Portais, provedores de conteúdo e outros serviços de informação na internet**
**85.99-6-03 - Treinamento em informática**

CÓDIGO E DESCRIÇÃO DA NATUREZA JURÍDICA
**206-2 - Sociedade Empresária Limitada**

| LOGRADOURO | NÚMERO | COMPLEMENTO |
|---|---|---|
| **R ITIQUIRA** | **458** | ******** |

| CEP | BAIRRO/DISTRITO | MUNICÍPIO | UF |
|---|---|---|---|
| **79.021-290** | **SANTA FE** | **CAMPO GRANDE** | **MS** |

| ENDEREÇO ELETRÔNICO | TELEFONE |
|---|---|
| **MEUCNPJ@CONTABILIZEI.COM.BR** | **(41) 9686-9828** |

ENTE FEDERATIVO RESPONSÁVEL (EFR)
*****

| SITUAÇÃO CADASTRAL | DATA DA SITUAÇÃO CADASTRAL |
|---|---|
| **ATIVA** | **01/09/2020** |

MOTIVO DE SITUAÇÃO CADASTRAL

| SITUAÇÃO ESPECIAL | DATA DA SITUAÇÃO ESPECIAL |
|---|---|
| ******** | ******** |

Aprovado pela Instrução Normativa RFB nº 1.863, de 27 de dezembro de 2018.

Emitido no dia **03/09/2020** às **15:23:31** (data e hora de Brasília). Página: **1/1**

Ministry of Economy
Secretariat of Digital Government
National Department of Business Registration and Integration
State Secretariat for Environment, Economic Development, Production and Family Agriculture – SEMAGRO

PROTOCOL No. (Used by the Commercial Registry)

| NIRE – Business Registration Identification Number (for the headquarters or branch, when the headquarters is in another state) | Legal Nature Code | Auxiliary Agent of Commerce Registration Number |
|---|---|---|
| | 2062 | |

## 1 - REQUEST

TO THE HONORABLE PRESIDENT OF THE Commercial Registry of the State of Mato Grosso do Sul

Name: RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA
(of the Company or the Auxiliary Agent of Commerce)

FCN/REMP Number
MSP2000062095

Requests Your Honor to approve the following act:

| NUMBER OF COPIES | ACT CODE | EVENT CODE | QUANTITY | DESCRIPTION OF THE ACT / EVENT |
|---|---|---|---|---|
| 1 | 090 | | | AGREEMENT |
| | | 315 | 1 | MICROENTERPRISE CLASSIFICATION |
| | | | | |
| | | | | |
| | | | | |

CAMPO GRANDE
LOCATION

September 1, 2020
Date

Legal Representative of the Company / Agent of Commerce:
Name:_____
Signature:_____
Contact Phone:_____

## 2 – USE BY THE COMMERCIAL REGISTRY

☐ SINGLE DECISION ☐ PANEL DECISION

Business Name(s) Identical or Similar:

☐ YES ☐ YES

_____ _____
_____ _____
_____ _____
_____ _____
_____ _____

☐ NO __/__/____ _____ Date / Responsible

☐ NO __/__/____ _____ Date / Responsible

Process in Order To Decision

__/__/____
Date

_____
Responsible

### SINGLE DECISION

☐ Process under the requirement. (See note on the attached page)
☐ Process Approved. Publish and file.
☐ Process Denied. Publish.

| 2nd Requirement | 3rd Requirement | 4th Requirement | 5th Requirement |
|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ |

__/__/____
Date

_____
Responsible

### PANEL DECISION

☐ Process under the requirement. (See note on the attached page)
☐ Process Approved. Publish and file.
☐ Process Denied. Publish.

| 2nd Requirement | 3rd Requirement | 4th Requirement | 5th Requirement |
|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ |

__/__/____
Date

_____ Panel Member
_____ Panel Member
President of the Panel
_____ Panel Member

NOTES

Commercial Registry of the State of Mato Grosso do Sul
I hereby certify the registration under No. 54201345441, on 09/01/2020, of the company RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, NIRE 54201345441, under protocol No. 200693719, dated 08/27/2020. Authentication: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha – Secretary-General. To validate this document, access http://www.jucems.ms.gov.br and enter protocol No. 20/069.371-9 and security code 6hxO. This copy was digitally authenticated and signed on 09/03/2020 by Nivaldo Domingos da Rocha – Secretary-General.

NIVALDO DOMINGOS DA ROCHA
Secretary-General

Commercial Registry of the State of Mato Grosso do Sul

# COMMERCIAL REGISTRY OF THE STATE OF MATO GROSSO DO SUL

## Digital Registration

## Process Cover

| Process Identification | | |
|---|---|---|
| Protocol Number | Process Number Integrator Module | Date |
| 20/069.371-9 | MSP2000062095 | 08/25/2020 |

| Signatory Identification | |
|---|---|
| CPF | Name |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |



Commercial Registry of the State of Mato Grosso do Sul
I hereby certify the registration under No. 54201345441, on 09/01/2020, of the company RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, NIRE 54201345441, under protocol No. 200693719, dated 08/27/2020. Authentication: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha – Secretary-General. To validate this document, access http://www.jucems.ms.gov.br and enter protocol No. 20/069.371-9 and security code 6hxO. This copy was digitally authenticated and signed on 09/03/2020 by Nivaldo Domingos da Rocha – Secretary-General.

NIVALDO DOMINGOS DA ROCHA
Secretary-General

# ARTICLES OF ASSOCIATION OF RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA

1. RILLIAN DIELLO LUCAS PIRES, BRAZILIAN nationality, Entrepreneur, single, born on 12/27/1990, CPF No. 385.898.458-26, identity document No. 05281501524, issued by DETRAN, SP, domiciled/residing at RUA DO DINAR, No. 181, BLOCK F, APARTMENT 13, VILA CARLOTA neighborhood/district, city of CAMPO GRANDE – MATO GROSSO DO SUL, ZIP Code 79.051-480.

Hereby forms a limited liability company, under the following clauses:

Clause One – The company shall operate under the corporate name RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA.

Sole Paragraph: The company shall use RILLIAN DIELLO LUCAS PIRESDESENVOLVIMENTO DE SOFTWARE as its trade name.

Clause Two – The corporate purpose shall be TECHNICAL SUPPORT, MAINTENANCE, AND INFORMATION TECHNOLOGY SERVICES; INFORMATION TECHNOLOGY CONSULTING; DATA PROCESSING, APPLICATION SERVICE PROVIDERS, AND INTERNET HOSTING SERVICES; PORTALS, CONTENT PROVIDERS, AND INFORMATION SERVICES ON THE INTERNET; DEVELOPMENT OF SYSTEMS (SOFTWARE) AND CUSTOMIZABLE AND NON-CUSTOMIZABLE COMPUTER PROGRAMS; DEVELOPMENT OF SYSTEMS (SOFTWARE) AND CUSTOM COMPUTER PROGRAMS; COMPUTER TRAINING AND WEB DESIGN, INCLUDING THE CREATION AND DEVELOPMENT OF INTERFACES FOR THE INTERNET.

Clause Three – The registered office of the company is located at RUA ITIQUIRA, No. 458, SANTA FE neighborhood/district, city of CAMPO GRANDE – MS, ZIP Code 79.021-290.

Clause Four – The company shall commence its activities on 08/19/2020, and its term of duration shall be indefinite.

Clause Five – The share capital is R$ 1,000.00 (ONE THOUSAND reais), divided into 1,000 quotas, each with a nominal value of R$ 1.00 (ONE real), fully paid in at this time in the currency of the country by the partner:

| NAME | NO. OF QUOTAS | AMOUNT R$ |
|---|---|---|
| RILLIAN DIELLO LUCAS PIRES | 1.000 | 1,000.00 |
| TOTAL | 1.000 | 1,000.00 |

Clause Six – The quotas are indivisible and may not be assigned or transferred to third parties without the consent of the other partner(s), who shall be granted, under equal conditions and price, a right of first refusal to acquire them if offered for sale; if the assignment is carried out, the corresponding amendment to the Articles of Association shall be executed.

Clause Seven – Each partner's liability is limited to the value of their quotas; however, all partners shall be jointly and severally liable for payment in full of the share capital.

Clause Eight – The management of the company shall be vested in the managing partner RILLIAN DIELLO LUCAS PIRES, with the powers and authority to represent the company actively and passively, both judicially and extrajudicially, and to perform all acts falling within the corporate purpose that are in the interest of the company. The managing partner is authorized to use the corporate name; however, such use is prohibited for activities unrelated to the company's interests or for assuming obligations for the benefit of



Commercial Registry of the State of Mato Grosso do Sul
I hereby certify the registration under No. 54201345441, on 09/01/2020, of the company RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, NIRE 54201345441, under protocol No. 200693719, dated 08/27/2020. Authentication: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha – Secretary-General. To validate this document, access http://www.jucems.ms.gov.br and enter protocol No. 20/069.371-9 and security code 6hxO. This copy was digitally authenticated and signed on 09/03/2020 by Nivaldo Domingos da Rocha – Secretary-General.
NIVALDO DOMINGOS DA ROCHA
Secretary-General

any of the quotaholders or third parties, as well as for encumbering or disposing of the company's real property without the authorization of the other partner(s).

Clause Nine – At the end of each fiscal year, on December 31, the manager shall render a duly substantiated accounting of their management, preparing the inventory, balance sheet, and statement of economic results, with the profits or losses determined being allocated to the partners in proportion to their quotas.

Clause Ten – Within the four months following the end of the fiscal year, the partners shall deliberate on the accounts and appoint manager(s), when applicable.

Clause Eleven – The signatory(ies) to this instrument declare(s) that the company's annual gross revenue shall not exceed the limit established in Item I of Article 3 of Supplementary Law No. 123 of December 14, 2006, and that they do not fall under any of the exclusion circumstances set forth in Paragraph 4 of Article 3 of said law.

Clause Twelve – The company may, at any time, open or close a branch or other establishment by means of an amendment to the Articles of Association approved in accordance with the law.

Clause Thirteen – The partners may, by mutual agreement, establish a monthly withdrawal as compensation, subject to the applicable regulatory provisions.

Clause Fourteen – In the event of the death or legal incapacitation of any partner, the company shall continue its activities with the heirs, successors, and incapacitated person. If this is not possible, or if they or the remaining partner(s) have no interest in continuing, the value of the partner's interest shall be determined and settled based on the company's financial position as of the date of the dissolution with respect to that partner, as determined by a balance sheet specially prepared for this purpose.

Sole Paragraph – The same procedure shall be adopted in other cases in which the company is dissolved with respect to one of its partners.

Clause Fifteen – The Manager(s) declare(s), under penalty of law, that they are not prohibited from serving as manager(s) of the company by virtue of special law or criminal conviction, or because they are subject to the effects thereof, including any penalty that, even temporarily, prohibits them from holding public office; nor by virtue of bankruptcy-related offenses, malfeasance, bribery, corruption, extortion, embezzlement, or offenses against the popular economy, the national financial system, competition protection regulations, consumer relations, public trust, or property.

Clause Sixteen – A single-member company is hereby constituted, which shall be governed by Article 1,052 of Law No. 10,406/2002 (Paragraphs 1 and 2), pursuant to the clauses set forth in these Articles of Association.

Clause Seventeen – The courts of CAMPO GRANDE – MS are hereby elected as the jurisdiction for the exercise and enforcement of the rights and obligations arising from these Articles of Association.

And, being in agreement with and bound by the terms hereof, the partner(s) sign this instrument.

Campo Grande/MS, August 19, 2020.

RILLIAN DIELLO LUCAS PIRES
Managing Partner



Commercial Registry of the State of Mato Grosso do Sul
I hereby certify the registration under No. 54201345441, on 09/01/2020, of the company RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, NIRE 54201345441, under protocol No. 200693719, dated 08/27/2020. Authentication: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha – Secretary-General. To validate this document, access http://www.jucems.ms.gov.br and enter protocol No. 20/069.371-9 and security code 6hxO. This copy was digitally authenticated and signed on 09/03/2020 by Nivaldo Domingos da Rocha – Secretary-General.

NIVALDO DOMINGOS DA ROCHA
Secretary-General

Commercial Registry of the State of Mato Grosso do Sul

# COMMERCIAL REGISTRY OF THE STATE OF MATO GROSSO DO SUL

Digital Registration

Main Document

| Process Identification | | |
|---|---|---|
| Protocol Number | Process Number Integrator Module | Date |
| 20/069.371-9 | MSP2000062095 | 08/25/2020 |

| Signatory Identification | |
|---|---|
| CPF | Name |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |



Commercial Registry of the State of Mato Grosso do Sul
I hereby certify the registration under No. 54201345441, on 09/01/2020, of the company RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, NIRE 54201345441, under protocol No. 200693719, dated 08/27/2020. Authentication: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha – Secretary-General. To validate this document, access http://www.jucems.ms.gov.br and enter protocol No. 20/069.371-9 and security code 6hxO. This copy was digitally authenticated and signed on 09/03/2020 by Nivaldo Domingos da Rocha – Secretary-General.

NIVALDO DOMINGOS DA ROCHA
Secretary-General

# DECLARATION OF AUTHENTICITY OF THE MAIN DOCUMENT

# DIGITAL REGISTRATION

I, RILLIAN DIELLO LUCAS PIRES, BRAZILIAN, SINGLE, ENTREPRENEUR, BORN ON 12/27/1990, ID No. 05281501524, DETRAN-SP, CPF No. 385.898.458-26, RUA DO DINAR, No. 181, BL. F, APT. 13, VILA CARLOTA NEIGHBORHOOD, ZIP Code 79051-480, CAMPO GRANDE – MS, DECLARE, UNDER PENALTY OF LAW, that the documents submitted in digital format for this digital registration protocol to the Commercial Registry, which cannot be digitally validated, ARE AUTHENTIC AND CORRESPOND TO THEIR RESPECTIVE ORIGINALS.

Campo Grande, September 1, 2020.

RILLIAN DIELLO LUCAS PIRES

Digitally signed via A3 certification

Commercial Registry of the State of Mato Grosso do Sul
I hereby certify the registration under No. 54201345441, on 09/01/2020, of the company RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, NIRE 54201345441, under protocol No. 200693719, dated 08/27/2020. Authentication: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha – Secretary-General. To validate this document, access http://www.jucems.ms.gov.br and enter protocol No. 20/069.371-9 and security code 6hxO. This copy was digitally authenticated and signed on 09/03/2020 by Nivaldo Domingos da Rocha – Secretary-General.

NIVALDO DOMINGOS DA ROCHA
Secretary-General

Commercial Registry of the State of Mato Grosso do Sul

# TERM OF AUTHENTICATION – DIGITAL REGISTRATION

I hereby certify that the instrument, digitally signed by the company RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, NIRE 5420134544-1, filed under protocol No. 20/069.371-9 on 08/27/2020, is registered with the Commercial Registry under No. 54201345441 on 09/01/2020. The instrument was electronically approved by examiner Eduardo Ferrari.
The registration is certified by the Secretary-General, Nivaldo Domingos da Rocha. To validate this document, please visit the Service Portal / Validate Documents website (https://portalservicos.jucems.ms.gov.br/Portal/pages/imagem Processo/viaUnica.jsf) must be accessed, and the protocol number and security key must be entered

Process Cover

| Signatory(ies) | |
|---|---|
| CPF | Name |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |

Main Document

| Signatory(ies) | |
|---|---|
| CPF | Name |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |

Main Document Declaration

| Signatory(ies) | |
|---|---|
| CPF | Name |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |

Attached Document(s) Declaration

| Signatory(ies) | |
|---|---|
| CPF | Name |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |

Campo Grande. Tuesday, September 1, 2020.

Document electronically signed by Eduardo Ferrari, Public Servant, on 09/01/2020, at 1:04 PM, according to official Brasília time.

The authenticity of this document may be verified through the JUCEMS service portal by entering protocol No. 20/069.371-9.



Commercial Registry of the State of Mato Grosso do Sul
I hereby certify the registration under No. 54201345441, on 09/01/2020, of the company RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, NIRE 54201345441, under protocol No. 200693719, dated 08/27/2020. Authentication: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha – Secretary-General. To validate this document, access http://www.jucems.ms.gov.br and enter protocol No. 20/069.371-9 and security code 6hxO. This copy was digitally authenticated and signed on 09/03/2020 by Nivaldo Domingos da Rocha – Secretary-General.
NIVALDO DOMINGOS DA ROCHA
Secretary-General

Commercial Registry of the State of Mato Grosso do Sul

# COMMERCIAL REGISTRY OF THE STATE OF MATO GROSSO DO SUL

Digital Registration

The act was approved and digitally signed by:

| Signatory Identification | |
|---|---|
| CPF | Name |
| 257.185.331-72 | NIVALDO DOMINGOS DA ROCHA |

Campo Grande. Tuesday, September 1, 2020.

Commercial Registry of the State of Mato Grosso do Sul
I hereby certify the registration under No. 54201345441, on 09/01/2020, of the company RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, NIRE 54201345441, under protocol No. 200693719, dated 08/27/2020. Authentication: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha – Secretary-General. To validate this document, access http://www.jucems.ms.gov.br and enter protocol No. 20/069.371-9 and security code 6hxO. This copy was digitally authenticated and signed on 09/03/2020 by Nivaldo Domingos da Rocha – Secretary-General.

NIVALDO DOMINGOS DA ROCHA
Secretary-General

**I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**

Marina Viana

**Date: September 11, 2026**

Ministério da Economia
Secretaria de Governo Digital
Departamento Nacional de Registro Empresarial e Integração
Secretaria de Estado de Meio Ambiente, Desenvolvimento Econômico, Produção e Agricultura Familiar – SEMAGRO

Nº DO PROTOCOLO (Uso da Junta Comercial)

| NIRE (da sede ou filial, quando a sede for em outra UF) | Código da Natureza Jurídica | Nº de Matrícula do Agente Auxiliar do Comércio |
|---|---|---|
| | 2062 | |

1 - REQUERIMENTO

ILMO(A). SR.(A) PRESIDENTE DA Junta Comercial do Estado de Mato Grosso do Sul

Nome: RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA
(da Empresa ou do Agente Auxiliar do Comércio)

Nº FCN/REMP
MSP2000062095

requer a V.Sª o deferimento do seguinte ato:

| Nº DE VIAS | CÓDIGO DO ATO | CÓDIGO DO EVENTO | QTDE | DESCRIÇÃO DO ATO / EVENTO |
|---|---|---|---|---|
| 1 | 090 | | | CONTRATO |
| | | 315 | 1 | ENQUADRAMENTO DE MICROEMPRESA |
| | | | | |
| | | | | |
| | | | | |

CAMPO GRANDE
Local

1 Setembro 2020
Data

Representante Legal da Empresa / Agente Auxiliar do Comércio:
Nome: _____
Assinatura: _____
Telefone de Contato: _____

2 - USO DA JUNTA COMERCIAL

☐ DECISÃO SINGULAR ☐ DECISÃO COLEGIADA

Nome(s) Empresarial(ais) igual(ais) ou semelhante(s):

☐ SIM ☐ SIM

_____ _____
_____ _____
_____ _____
_____ _____
_____ _____

☐ NÃO ___/___/_____ _____ ☐ NÃO ___/___/_____ _____
Data Responsável Data Responsável

Processo em Ordem
À decisão

___/___/_____
Data

_____
Responsável

DECISÃO SINGULAR

| | 2ª Exigência | 3ª Exigência | 4ª Exigência | 5ª Exigência |
|---|---|---|---|---|
| ☐ Processo em exigência. (Vide despacho em folha anexa) | ☐ | ☐ | ☐ | ☐ |
| ☐ Processo deferido. Publique-se e arquive-se. | | | | |
| ☐ Processo indeferido. Publique-se. | | | | |

___/___/_____ _____
Data Responsável

DECISÃO COLEGIADA

| | 2ª Exigência | 3ª Exigência | 4ª Exigência | 5ª Exigência |
|---|---|---|---|---|
| ☐ Processo em exigência. (Vide despacho em folha anexa) | ☐ | ☐ | ☐ | ☐ |
| ☐ Processo deferido. Publique-se e arquive-se. | | | | |
| ☐ Processo indeferido. Publique-se. | | | | |

___/___/_____ _____ _____ _____
Data Vogal Vogal Vogal

Presidente da _____ Turma

OBSERVAÇÕES

Junta Comercial do Estado de Mato Grosso do Sul
Certifico registro sob o nº 54201345441 em 01/09/2020 da Empresa RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, Nire 54201345441 e protocolo 200693719 - 27/08/2020. Autenticação: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha - Secretário-Geral. Para validar este documento, acesse http://www.jucems.ms.gov.br e informe nº do protocolo 20/069.371-9 e o código de segurança 6hxO Esta cópia foi autenticada digitalmente e assinada em 03/09/2020 por Nivaldo Domingos da Rocha – Secretário-Geral.
NIVALDO DOMINGOS DA ROCHA SECRETÁRIO GERAL

Junta Comercial do Estado de Mato Grosso do Sul

# JUNTA COMERCIAL DO ESTADO DE MATO GROSSO DO SUL

Registro Digital

## Capa de Processo

| Identificação do Processo | | |
|---|---|---|
| Número do Protocolo | Número do Processo Módulo Integrador | Data |
| 20/069.371-9 | MSP2000062095 | 25/08/2020 |

| Identificação do(s) Assinante(s) | |
|---|---|
| CPF | Nome |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |



Junta Comercial do Estado de Mato Grosso do Sul
Certifico registro sob o nº 54201345441 em 01/09/2020 da Empresa RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, Nire 54201345441 e protocolo 200693719 - 27/08/2020. Autenticação: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha - Secretário-Geral. Para validar este documento, acesse http://www.jucems.ms.gov.br e informe nº do protocolo 20/069.371-9 e o código de segurança 6hxO Esta cópia foi autenticada digitalmente e assinada em 03/09/2020 por Nivaldo Domingos da Rocha – Secretário-Geral.
NIVALDO DOMINGOS DA ROCHA
SECRETÁRIO GERAL

# CONTRATO DE CONSTITUIÇÃO DE RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA

1. RILLIAN DIELLO LUCAS PIRES, nacionalidade BRASILEIRA, Empresário, Solteiro, data de nascimento 27/12/1990, nº do CPF 385.898.458-26, documento de identidade 05281501524, DETRAN, SP, com domicílio / residência a RUA DO DINAR, número 181, BLOCO F APT 13, bairro / distrito VILA CARLOTA, município CAMPO GRANDE - MATO GROSSO DO SUL, CEP 79.051-480.

Constituem uma sociedade empresária limitada, mediante as seguintes cláusulas:

Cláusula Primeira - A sociedade adotará o nome empresarial de RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA.

Parágrafo Único: A sociedade tem como nome fantasia RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE.

Cláusula Segunda - O objeto social será EMPRESA DE SUPORTE TECNICO, MANUTENCAO E TECNOLOGIA DA INFORMACAO, CONSULTORIA EM TECNOLOGIA DA INFORMACAO, TRATAMENTO DE DADOS, PROVEDORES DE SERVICOS DE APLICACAO E SERVICOS DE HOSPEDAGEM NA INTERNET, PORTAIS, PROVEDORES DE CONTEUDO E SERVICOS DE INFORMACAO NA INTERNET, DESENVOLVIMENTO DE SISTEMAS (SOFTWARES) E DE PROGRAMAS DE COMPUTADOR CUSTOMIZAVEIS E NAO-CUSTOMIZAVEIS, DESENVOLVIMENTO DE SISTEMAS (SOFTWARES) E DE PROGRAMAS DE COMPUTADOR SOB ENCOMENDA, TREINAMENTO EM INFORMATICA E WEB DESIGN, COM CRIACAO E DESENVOLVIMENTO DE INTERFACES PARA A INTERNET.

Cláusula Terceira - A sede da sociedade é na RUA ITIQUIRA, número 458, bairro / distrito SANTA FE, município CAMPO GRANDE - MS, CEP 79.021-290.

Cláusula Quarta - A sociedade iniciará suas atividades em 19/08/2020 e seu prazo de duração é indeterminado.

Cláusula Quinta - O capital social é R$ 1.000,00 (UM MIL reais) dividido em 1.000 quotas no valor nominal R$ 1,00 (UM real), integralizadas, neste ato em moeda corrente do País, pelos sócios:

| NOME | Nº DE QUOTAS | VALOR R$ |
|---|---|---|
| RILLIAN DIELLO LUCAS PIRES | 1.000 | 1.000,00 |
| TOTAL | 1.000 | 1.000,00 |

Cláusula Sexta - As quotas são indivisíveis e não poderão ser cedidas ou transferidas a terceiros sem o consentimento do(s) outro(s) sócio(s), a quem fica assegurado, em igualdade de condições e preço direito de preferência para a sua aquisição se postas à venda, formalizando, se realizada a cessão, a alteração contratual pertinente.

Cláusula Sétima - A responsabilidade de cada sócio é restrita ao valor de suas quotas, mas todos respondem solidariamente pela integralização do capital social.

Cláusula Oitava - A administração da sociedade caberá ao administrador/sócio RILLIAN DIELLO LUCAS PIRES, com os poderes e atribuições de representação ativa e passiva na sociedade, judicial e extrajudicial, podendo praticar todos os atos compreendidos no objeto social, sempre de interesse da sociedade, autorizado o uso do nome empresarial, vedado, no entanto, fazê-lo em atividades estranhas ao interesse social ou assumir obrigações seja em favor de qualquer dos



Junta Comercial do Estado de Mato Grosso do Sul
Certifico registro sob o nº 54201345441 em 01/09/2020 da Empresa RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, Nire 54201345441 e protocolo 200693719 - 27/08/2020. Autenticação: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha - Secretário-Geral. Para validar este documento, acesse http://www.jucems.ms.gov.br e informe nº do protocolo 20/069.371-9 e o código de segurança 6hxO Esta cópia foi autenticada digitalmente e assinada em 03/09/2020 por Nivaldo Domingos da Rocha – Secretário-Geral.
NIVALDO DOMINGOS DA ROCHA SECRETÁRIO GERAL

quotistas ou de terceiros, bem como onerar ou alienar bens imóveis da sociedade, sem autorização do(s) outro(s) sócio(s).

Cláusula Nona - Ao término de cada exercício social, em 31 de dezembro, o administrador prestará contas justificadas de sua administração, procedendo à elaboração do inventário, do balanço patrimonial e do balanço de resultado econômico, cabendo aos sócios, na proporção de suas quotas, os lucros ou perdas apurados.

Cláusula Décima - Nos quatro meses seguintes ao término do exercício social, os sócios deliberarão sobre as contas e designarão administrador(es) quando for o caso.

Cláusula Décima Primeira - O(s) signatário(s) do presente ato declara(m) que o movimento da receita bruta anual da empresa não excederá o limite fixado no inciso I do art. 3° da Lei Complementar nº 123 de 14 de dezembro de 2006, e que não se enquadra(m) em qualquer das hipóteses de exclusão relacionadas no § 4º do art. 3º da mencionada lei.

Cláusula Décima Segunda - A sociedade poderá a qualquer tempo, abrir ou fechar filial ou outra dependência, mediante alteração contratual deliberada na forma da lei.

Cláusula Décima Terceira - Os sócios poderão, de comum acordo, fixar uma retirada mensal, a título de “pro labore”, observadas as disposições regulamentares pertinentes.

Cláusula Décima Quarta - Falecendo ou sendo interditado qualquer sócio, a sociedade continuará suas atividades com os herdeiros, sucessores e o incapaz. Não sendo possível ou inexistindo interesse destes ou do(s) sócio(s) remanescente(s), o valor de seus haveres será apurado e liquidado com base na situação patrimonial da sociedade, à data da resolução, verificada em balanço especialmente levantado.Parágrafo único - O mesmo procedimento será adotado em outros casos em que a sociedade se resolva em relação a seu sócio.

Cláusula Décima Quinta - O(s) Administrador (es) declara(m), sob as penas da lei, de que não está(ão) impedidos de exercer a administração da sociedade, por lei especial, ou em virtude de condenação criminal, ou por se encontrar(em) sob os efeitos dela, a pena que vede, ainda que temporariamente, o acesso a cargos públicos; ou por crime falimentar, de prevaricação, peita ou suborno, concussão, peculato, ou contra a economia popular, contra o sistema financeiro nacional, contra normas de defesa da concorrência, contra as relações de consumo, fé pública, ou a propriedade.

Cláusula Décima Sexta - Constitui-se uma sociedade unipessoal, que se regerá pelo Art 1.052 da Lei nº 10.406/2002 (§ 1º e § 2º), mediante as cláusulas descritas no presente contrato social.

Cláusula Décima Sétima - Fica eleito o foro de CAMPO GRANDE - MS para o exercício e o cumprimento dos direitos e obrigações resultantes deste contrato.

E, estando o(s) sócio(s) justo(s) e contratado(s), assinam o presente instrumento.

Campo Grande/MS, 19 de Agosto de 2020.

RILLIAN DIELLO LUCAS PIRES
Sócio/Administrador



Junta Comercial do Estado de Mato Grosso do Sul
Certifico registro sob o nº 54201345441 em 01/09/2020 da Empresa RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, Nire 54201345441 e protocolo 200693719 - 27/08/2020. Autenticação: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha - Secretário-Geral. Para validar este documento, acesse http://www.jucems.ms.gov.br e informe nº do protocolo 20/069.371-9 e o código de segurança 6hxO Esta cópia foi autenticada digitalmente e assinada em 03/09/2020 por Nivaldo Domingos da Rocha – Secretário-Geral.
NIVALDO DOMINGOS DA ROCHA SECRETÁRIO GERAL

Junta Comercial do Estado de Mato Grosso do Sul

# JUNTA COMERCIAL DO ESTADO DE MATO GROSSO DO SUL

Registro Digital

## Documento Principal

| Identificação do Processo | | |
|---|---|---|
| Número do Protocolo | Número do Processo Módulo Integrador | Data |
| 20/069.371-9 | MSP2000062095 | 25/08/2020 |

| Identificação do(s) Assinante(s) | |
|---|---|
| CPF | Nome |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |



Junta Comercial do Estado de Mato Grosso do Sul
Certifico registro sob o nº 54201345441 em 01/09/2020 da Empresa RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, Nire 54201345441 e protocolo 200693719 - 27/08/2020. Autenticação: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha - Secretário-Geral. Para validar este documento, acesse http://www.jucems.ms.gov.br e informe nº do protocolo 20/069.371-9 e o código de segurança 6hxO Esta cópia foi autenticada digitalmente e assinada em 03/09/2020 por Nivaldo Domingos da Rocha – Secretário-Geral.
NIVALDO DOMINGOS DA ROCHA
SECRETÁRIO GERAL

# DECLARAÇÃO DE VERACIDADE DO DOCUMENTO PRINCIPAL
# REGISTRO DIGITAL

Eu, RILLIAN DIELLO LUCAS PIRES, BRASILEIRA, SOLTEIRO, EMPRESÁRIO, DATA DE NASCIMENTO 27/12/1990, RG Nº 05281501524 DETRAN-SP, CPF 385.898.458-26, RUA DO DINAR, Nº 181, BL.F APT.13 , BAIRRO VILA CARLOTA, CEP 79051-480, CAMPO GRANDE - MS, DECLARO, SOB AS PENAS DA LEI, que os documentos apresentados digitalizados ao presente protocolo de registro digital na Junta Comercial, sem possibilidade de validação digital, SÃO VERDADEIROS E CONFEREM COM OS RESPECTIVOS ORIGINAIS.

Campo Grande, 01 de Setembro de 2020.

RILLIAN DIELLO LUCAS PIRES
Assinado digitalmente por certificação A3

Junta Comercial do Estado de Mato Grosso do Sul
Certifico registro sob o nº 54201345441 em 01/09/2020 da Empresa RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, Nire 54201345441 e protocolo 200693719 - 27/08/2020. Autenticação: 8A6FB5FF59573DA97F761FF94CE3FE1943BD. Nivaldo Domingos da Rocha - Secretário-Geral. Para validar este documento, acesse http://www.jucems.ms.gov.br e informe nº do protocolo 20/069.371-9 e o código de segurança 6hxO Esta cópia foi autenticada digitalmente e assinada em 03/09/2020 por Nivaldo Domingos da Rocha – Secretário-Geral.

Junta Comercial do Estado de Mato Grosso do Sul

# TERMO DE AUTENTICAÇÃO - REGISTRO DIGITAL

Certifico que o ato, assinado digitalmente, da empresa RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA, de NIRE 5420134544-1 e protocolado sob o número 20/069.371-9 em 27/08/2020, encontra-se registrado na Junta Comercial sob o número 54201345441, em 01/09/2020. O ato foi deferido eletrônicamente pelo examinador Eduardo Ferrari.

Certifica o registro, o Secretário-Geral, Nivaldo Domingos da Rocha. Para sua validação, deverá ser acessado o sitio eletrônico do Portal de Serviços / Validar Documentos (https://portalservicos.jucems.ms.gov.br/Portal/pages/imagemProcesso/viaUnica.jsf) e informar o número de protocolo e chave de segurança.

Capa de Processo

| Assinante(s) | |
|---|---|
| CPF | Nome |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |

Documento Principal

| Assinante(s) | |
|---|---|
| CPF | Nome |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |

Declaração Documento Principal

| Assinante(s) | |
|---|---|
| CPF | Nome |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |

Declaração Documento(s) Anexo(s)

| Assinante(s) | |
|---|---|
| CPF | Nome |
| 385.898.458-26 | RILLIAN DIELLO LUCAS PIRES |

Campo Grande. Terça-feira, 01 de Setembro de 2020

Documento assinado eletrônicamente por Eduardo Ferrari, Servidor(a) Público(a), em 01/09/2020, às 13:04 conforme horário oficial de Brasília.

A autencidade desse documento pode ser conferida no portal de serviços da jucems informando o número do protocolo 20/069.371-9.

Junta Comercial do Estado de Mato Grosso do Sul

O ato foi deferido e assinado digitalmente por :

| Identificação do(s) Assinante(s) | |
|---|---|
| CPF | Nome |
| 257.185.331-72 | NIVALDO DOMINGOS DA ROCHA |

Campo Grande. Terça-feira, 01 de Setembro de 2020

# Declaration of Socioeconomic and Fiscal Information (DEFIS)

**Original Declaration** **Tax Year 2025** **Calendar Year 2024**

Period Covered by the Declaration: **01/01/2024 to 12/31/2024**

## 1. Taxpayer Identification

| | |
|---|---|
| CNPJ of the Head Office: | **38.299.888/0001-88** |
| Business Name: | **RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA** |
| Date of Registration in the CNPJ: | **09/01/2020** |
| Calculation Regime: | **Accrual Basis** |
| Opting for Simples Nacional: | **Yes** |

### 1.1 CNPJ of the Branches Included in this Declaration:

None

## 2. Economic-Fiscal Information of the Legal Entity

| | |
|---|---|
| Capital gains | R$ 0.00 |
| Number of employees at the beginning of the period covered by the declaration | 0 |
| Number of employees at the end of the period covered by the declaration | 0 |
| Revenue from direct exportation | R$ 0.00 |
| Profit exceeding the limit referred to in §1 of Art. 6 of CGSN (Management Committee of Simples Nacional) Resolution No. 4 of 05/30/2007, in the period covered by this declaration | R$ 322,435.21 |
| Total net gains obtained from variable income operations | R$ 0.00 |

### 2.1 Revenue from exports through an export trading company

| CNPJ of the export trading company | Amount |
|---|---|
| - | - |

### 2.2 Identification and Income of the Partners

**CPF of the partner: 385.898.458-26**

**Name: RILLIAN DIELLO LUCAS PIRES**

| | |
|---|---|
| Tax-exempt income paid to the partner by the company | R$ 0.00 |
| Taxable income paid to the partner by the company | R$ 138,370.81 |
| Percentage of participation of the partner in the company's share | 100.00% |

| | |
|---|---|
| capital on the last day of the period covered by the declaration | |
| Income tax withheld at source on income paid to the partner by the ME/EPP (Small or Micro Enterprise) | R$ 25,651.65 |

| | |
|---|---|
| **2.3 Percentage of participation in treasury shares in the company's share capital (%)** | 0.00% |

**2.4 Electoral Campaign Donations**

| CNPJ of the Beneficiary | Name of the Beneficiary | Type of Beneficiary | Donation Method | Amount |
|---|---|---|---|---|
| - | - | - | - | - |

**3. Economic and Fiscal Information of the Establishments**

**Establishment: 38.299.888/0001-88 State: MS**

| | |
|---|---|
| Initial inventory for the period covered by the declaration | R$ 0.00 |
| Final inventory for the period covered by the declaration | R$ 0.00 |
| Cash/Bank balance at the beginning of the period covered by the declaration | R$ 25,050.56 |
| Cash/Bank balance at the end of the period covered by the declaration | R$ 40,016.81 |
| Total purchases of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Domestic Market purchases | R$ 0.00 |
| Imports | R$ 0.00 |
| Total inward transfers of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Total outward transfers of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Total returns of sales of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Total returns of purchases of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Total inflows in the period covered by the declaration | R$ 0.00 |
| Total expenses in the period covered by the declaration | R$ 151,016.08 |

**Total interstate inflows by State**

| State | Amount |
|---|---|
| - | - |

**Total interstate outflows by State**

| State | Amount |
|---|---|
| - | - |

**ISS (Tax on Service) amount withheld at source in the calendar year, by city**

| State | City | Amount |
|---|---|---|
| - | - | - |

**Communication Services Provision**

| State where the service was provided | Municipality where the service was provided | Amount |
|---|---|---|
| - | - | - |

**Information on the provision of interstate and/or intermunicipal freight transportation services, and intermunicipal and interstate passenger transportation authorized in item VI of Art. 17 of LC 123, with and without tax substitution**

| Total shipping amount: | - | |
|---|---|---|
| **State of origin** | **City where the service provision began** | **Amount of the Service (R$)** |
| - | - | - |

**4. Declaration Receipt Information**

Date and Time of Declaration Submission: **02/02/2025 1:10:13 PM**

Receipt Number: **02.07.25033.0027446-1**

Authentication: **38221.29101.98254.88456**

*Simples Nacional - Brazilian Tax Regime for Legal Entities.

**I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**

Marina Viana

**Date: September 10, 2026**

# Declaração de Informações Socioeconômicas e Fiscais(DEFIS)

**Declaração Original** **Exercício 2025** **Ano-Calendário 2024**

Período abrangido pela Declaração: **01/01/2024 a 31/12/2024**

## 1. Identificação do Contribuinte

CNPJ Matriz: **38.299.888/0001-88**
Nome empresarial: **RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**
Data de abertura no CNPJ: **01/09/2020**
Regime de Apuração: **competência**
Optante pelo Simples Nacional: **Sim**

### 1.1 CNPJ das Filiais Presentes nesta declaração:

Nenhuma.

## 2. Informações Econômico-Fiscais da Pessoa Jurídica

| | |
|---|---|
| Ganhos de capital | R$ 0,00 |
| Quantidade de empregados no início do período abrangido pela declaração | 0 |
| Quantidade de empregados no final do período abrangido pela declaração | 0 |
| Receita proveniente de exportação direta | R$ 0,00 |
| Lucro superior ao limite de que trata o § 1º do art. 6º da resolução CGSN nº 4 de 30/05/2007, no período abrangido por esta declaração | R$ 322.435,21 |
| Total de ganhos líquidos auferidos em operações de renda variável | R$ 0,00 |

### 2.1 Receita proveniente de exportação por meio de comercial exportadora

| CNPJ da comercial exportadora | Valor |
|---|---|
| - | - |

### 2.2 Identificação e Rendimentos dos Sócios

**CPF do sócio: 385.898.458-26**

**Nome: RILLIAN DIELLO LUCAS PIRES**

| | |
|---|---|
| Rendimentos isentos pagos ao sócio pela empresa | R$ 0,00 |
| Rendimentos tributáveis pagos ao sócio pela empresa | R$ 138.370,81 |
| Percentual de participação do sócio no capital social da empresa no | 100,00% |

| | |
|---|---|
| último dia do período abrangido pela declaração | |
| Imposto de renda retido na fonte sobre os rendimentos pagos ao sócio pela ME/EPP | R$ 25.651,65 |

| | |
|---|---|
| **2.3 Percentual de participação em cotas em tesouraria no capital social da empresa (%)** | 0,00% |

**2.4 Doações à Campanha Eleitoral**

| CNPJ do Beneficiário | Nome do Beneficiário | Tipo de Beneficiário | Forma de Doação | Valor |
|---|---|---|---|---|
| - | - | - | - | - |

## 3. Informações Econômicas e Fiscais dos Estabelecimentos

**Estabelecimento: 38.299.888/0001-88 UF: MS**

| | |
|---|---|
| Estoque inicial do período abrangido pela declaração | R$ 0,00 |
| Estoque final do período abrangido pela declaração | R$ 0,00 |
| Saldo em caixa/banco no início do período abrangido pela declaração | R$ 25.050,56 |
| Saldo em caixa/banco no final do período abrangido pela declaração | R$ 40.016,81 |
| Total de aquisições de mercadorias para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Aquisições no mercado interno | R$ 0,00 |
| Importações | R$ 0,00 |
| Total de entradas de mercadorias por transferência para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Total de saídas de mercadorias por transferência para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Total de devoluções de vendas de mercadorias para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Total de devoluções de compras de mercadorias para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Total de entradas no período abrangido pela declaração | R$ 0,00 |
| Total de despesas no período abrangido pela declaração | R$ 151.016,08 |

**Total de entradas interestaduais por UF**

| UF | Valor |
|---|---|
| - | - |

**Total de saídas interestaduais por UF**

| UF | Valor |
|---|---|
| - | - |

**Valor do ISS retido na fonte no ano-calendário, por Município**

| UF | Município | Valor |
|---|---|---|
| - | - | - |

**Prestações de Serviços de Comunicação**

| UF onde o serviço foi prestado | Município onde o serviço foi prestado | Valor |
|---|---|---|
| - | - | - |

**Informações sobre prestação de serviços de transporte de cargas interestadual e/ou intermunicipal, e de transporte intermunicipal e interestadual de passageiros autorizados no inciso VI do art. 17 da LC 123 com e sem substituição tributária**

| | |
|---|---|
| **Valor total do frete:** | - |

| UF de origem | Município onde se iniciou a prestação do serviço | Valor da Prestação (R$) |
|---|---|---|
| - | - | - |

## 4. Informações da Recepção da Declaração

Data e Horário da transmissão da Declaração: **02/02/2025 13:10:13**

Número do Recibo: **02.07.25033.0027446-1**

Autenticação: **38221.29101.98254.88456**

# Declaration of Socioeconomic and Fiscal Information (DEFIS)

**Original Declaration** **Tax Year 2024** **Calendar Year 2023**

Period Covered by the Declaration: **01/01/2023 to 12/31/2023**

## 1. Taxpayer Identification

| | |
|---|---|
| CNPJ of the Head Office: | **38.299.888/0001-88** |
| Business Name: | **RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA** |
| Date of Registration in the CNPJ: | **09/01/2020** |
| Calculation Regime: | **Accrual Basis** |
| Opting for Simples Nacional: | **Yes** |

### 1.1 CNPJ of the Branches Included in this Declaration:

None

## 2. Economic-Fiscal Information of the Legal Entity

| | |
|---|---|
| Capital gains | R$ 0.00 |
| Number of employees at the beginning of the period covered by the declaration | 0 |
| Number of employees at the end of the period covered by the declaration | 0 |
| Revenue from direct exportation | R$ 0.00 |
| Profit exceeding the limit referred to in §1 of Art. 6 of CGSN (Management Committee of Simples Nacional) Resolution No. 4 of 05/30/2007, in the period covered by this declaration | R$ 169,911.29 |
| Total net gains obtained from variable income operations | R$ 0.00 |

### 2.1 Revenue from exports through an export trading company

| CNPJ of the export trading company | Amount |
|---|---|
| - | - |

### 2.2 Identification and Income of the Partners

**CPF of the partner: 385.898.458-26**

**Name: RILLIAN DIELLO LUCAS PIRES**

| | |
|---|---|
| Tax-exempt income paid to the partner by the company | R$ 183,031,.01 |
| Taxable income paid to the partner by the company | R$ 71,144.39 |
| Percentage of participation of the partner in the company's share | 100.00% |

| | |
|---|---|
| capital on the last day of the period covered by the declaration | |
| Income tax withheld at source on income paid to the partner by the ME/EPP (Small or Micro Enterprise) | R$ 7,465.99 |

| | |
|---|---|
| **2.3 Percentage of participation in treasury shares in the company's share capital (%)** | 0.00% |

**2.4 Electoral Campaign Donations**

| CNPJ of the Beneficiary | Name of the Beneficiary | Type of Beneficiary | Donation Method | Amount |
|---|---|---|---|---|
| - | - | - | - | - |

**3. Economic and Fiscal Information of the Establishments**

**Establishment: 38.299.888/0001-88 State: MS**

| | |
|---|---|
| Initial inventory for the period covered by the declaration | R$ 0.00 |
| Final inventory for the period covered by the declaration | R$ 0.00 |
| Cash/Bank balance at the beginning of the period covered by the declaration | R$ 58,792.62 |
| Cash/Bank balance at the end of the period covered by the declaration | R$ 25,050.56 |
| Total purchases of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Domestic Market purchases | R$ 0.00 |
| Imports | R$ 0.00 |
| Total inward transfers of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Total outward transfers of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Total returns of sales of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Total returns of purchases of goods for resale or industrialization in the period covered by the declaration | R$ 0.00 |
| Total inflows in the period covered by the declaration | R$ 0.00 |
| Total expenses in the period covered by the declaration | R$ 74,996.95 |

**Total interstate inflows by State**

| State | Amount |
|---|---|
| - | - |

**Total interstate outflows by State**

| State | Amount |
|---|---|
| - | - |

**ISS (Tax on Service) amount withheld at source in the calendar year, by city**

| State | City | Amount |
|---|---|---|
| - | - | - |

**Communication Services Provision**

| State where the service was provided | Municipality where the service was provided | Amount |
|---|---|---|
| - | - | - |

**Information on the provision of interstate and/or intermunicipal freight transportation services, and intermunicipal and interstate passenger transportation authorized in item VI of Art. 17 of LC 123, with and without tax substitution**

| Total shipping amount: | - | |
|---|---|---|
| **State of origin** | **City where the service provision began** | **Amount of the Service (R$)** |
| - | - | - |

**4. Declaration Receipt Information**

Date and Time of Declaration Submission: **03/21/2024 1:45:07 PM**

Receipt Number: **02.07.24081.0205492-3**

Authentication: **38224.29294.98163.88137**

*Simples Nacional - Brazilian Tax Regime for Legal Entities.

**I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**

Marina Viana

**Date: September 10, 2026**

# Declaração de Informações Socioeconômicas e Fiscais(DEFIS)

**Declaração Original** **Exercício 2024** **Ano-Calendário 2023**

Período abrangido pela Declaração: **01/01/2023 a 31/12/2023**

## 1. Identificação do Contribuinte

CNPJ Matriz: **38.299.888/0001-88**
Nome empresarial: **RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**
Data de abertura no CNPJ: **01/09/2020**
Regime de Apuração: **competência**
Optante pelo Simples Nacional: **Sim**

### 1.1 CNPJ das Filiais Presentes nesta declaração:

Nenhuma.

## 2. Informações Econômico-Fiscais da Pessoa Jurídica

| | |
|---|---|
| Ganhos de capital | R$ 0,00 |
| Quantidade de empregados no início do período abrangido pela declaração | 0 |
| Quantidade de empregados no final do período abrangido pela declaração | 0 |
| Receita proveniente de exportação direta | R$ 0,00 |
| Lucro superior ao limite de que trata o § 1º do art. 6º da resolução CGSN nº 4 de 30/05/2007, no período abrangido por esta declaração | R$ 169.911,29 |
| Total de ganhos líquidos auferidos em operações de renda variável | R$ 0,00 |

### 2.1 Receita proveniente de exportação por meio de comercial exportadora

| CNPJ da comercial exportadora | Valor |
|---|---|
| - | - |

### 2.2 Identificação e Rendimentos dos Sócios

**CPF do sócio: 385.898.458-26**

**Nome: RILLIAN DIELLO LUCAS PIRES**

| | |
|---|---|
| Rendimentos isentos pagos ao sócio pela empresa | R$ 183.031,01 |
| Rendimentos tributáveis pagos ao sócio pela empresa | R$ 71.144,39 |
| Percentual de participação do sócio no capital social da empresa no | 100,00% |

| | |
|---|---|
| último dia do período abrangido pela declaração | |
| Imposto de renda retido na fonte sobre os rendimentos pagos ao sócio pela ME/EPP | R$ 7.465,99 |

| | |
|---|---|
| **2.3 Percentual de participação em cotas em tesouraria no capital social da empresa (%)** | 0,00% |

**2.4 Doações à Campanha Eleitoral**

| CNPJ do Beneficiário | Nome do Beneficiário | Tipo de Beneficiário | Forma de Doação | Valor |
|---|---|---|---|---|
| - | - | - | - | - |

## 3. Informações Econômicas e Fiscais dos Estabelecimentos

**Estabelecimento: 38.299.888/0001-88 UF: MS**

| | |
|---|---|
| Estoque inicial do período abrangido pela declaração | R$ 0,00 |
| Estoque final do período abrangido pela declaração | R$ 0,00 |
| Saldo em caixa/banco no início do período abrangido pela declaração | R$ 58.792,62 |
| Saldo em caixa/banco no final do período abrangido pela declaração | R$ 25.050,56 |
| Total de aquisições de mercadorias para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Aquisições no mercado interno | R$ 0,00 |
| Importações | R$ 0,00 |
| Total de entradas de mercadorias por transferência para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Total de saídas de mercadorias por transferência para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Total de devoluções de vendas de mercadorias para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Total de devoluções de compras de mercadorias para comercialização ou industrialização no período abrangido pela declaração | R$ 0,00 |
| Total de entradas no período abrangido pela declaração | R$ 0,00 |
| Total de despesas no período abrangido pela declaração | R$ 74.996,95 |

**Total de entradas interestaduais por UF**

| UF | Valor |
|---|---|
| - | - |

**Total de saídas interestaduais por UF**

| UF | Valor |
|---|---|
| - | - |

**Valor do ISS retido na fonte no ano-calendário, por Município**

| UF | Município | Valor |
|---|---|---|
| - | - | - |

**Prestações de Serviços de Comunicação**

| UF onde o serviço foi prestado | Município onde o serviço foi prestado | Valor |
|---|---|---|
| - | - | - |

**Informações sobre prestação de serviços de transporte de cargas interestadual e/ou intermunicipal, e de transporte intermunicipal e interestadual de passageiros autorizados no inciso VI do art. 17 da LC 123 com e sem substituição tributária**

| | |
|---|---|
| **Valor total do frete:** | - |

| UF de origem | Município onde se iniciou a prestação do serviço | Valor da Prestação (R$) |
|---|---|---|
| - | - | - |

---

**4. Informações da Recepção da Declaração**

Data e Horário da transmissão da Declaração: **21/03/2024 13:45:07**

Número do Recibo: **02.07.24081.0205492-3**

Autenticação: **38224.29294.98163.88137**

# Digital Employment Record Book

Date of Issue: 11/14/2021

## Personal Details

Legal name

**RILLIAN DIELLO LUCAS PIRES**

| CPF | Sex | Date of birth | Nationality |
|---|---|---|---|
| **385.898.458-26** | **Male** | **12/27/1990** | **Brazilian** |

Mother's name

**ZILDA SILVA LUCAS PIRES**

## Employment Contracts

06/20/2022 - 03/29/2023

Date of the projection of the notice period

**04/28/2023**

Employer

**APPNOVATION TECHNOLOGIES (BRAZIL) LTDA**
**CNPJ RAIZ: 32.373.142**

Establishment

**APPNOVATION TECHNOLOGIES (BRAZIL) LTDA**
**CNPJ: 32.373.142/0001-90**
**AVENIDA ALFREDO EGIDIO DE SOUZA ARANHA 100 BLOCK B 6TH FLOOR - PART 4726908 VILA CRUZEIRO SAO PAULO SP**

Position

**DEVELOPER**

CBO - Position

**2124-05**

*CBO: Brazilian Occupational Classification

Contract type

**Indefinite term**

Contractual salary

**R$ 21,000.00 per month**

Employment status

**Employee**

Hiring type

**Hiring**

Source of Information

**ESOCIAL (Digital Bookkeeping System for Fiscal, Social Security, and Labor Obligations)**

### NOTES

03/29/2023 - Contract Termination

06/20/2022 - Salary defined as R$ 21,000.00 Per month



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**NOTES**

06/20/2022 - Contract type defined for Indefinite term

06/20/2022 - Establishment defined as APPNOVATION TECHNOLOGIES (BRAZIL) LTDA

06/20/2022 to 03/29/2023 - Position held: DEVELOPER

06/20/2022 - Employment status defined as Employee

06/20/2022 to 03/29/2023 - CBO Position held 2124-05

06/20/2022 - Hiring

## 11/16/2021 - 01/21/2022

Employer

**CI&T SOFTWARE S/A**
**CNPJ RAIZ: 00.609.634**

Establishment

**CI&T SOFTWARE S/A**
**CNPJ: 00.609.634/0001-46**
**EST GIUSEPPINA VIANELLI DI NAPOLLI 1455 BLOCK C UPPER FLOOR 13086530 POLO II DE ALTA TECNOLOGIA (CAMPINAS) CAMPINAS SP**

Position

**SOFTWARE ENGINEER**

CBO - Position

**2122-05**

Contract type

**Fixed term, specified in days**
**End Date: 02/13/2022**

Contractual salary

**R$ 11,278.00 per month**

Employment status

**Employee**

Hiring type

**Hiring**

Source of Information

**ESOCIAL**

**NOTES**

01/21/2022 - Contract Termination

01/02/2022 - Salary defined as R$ 11,278.00 Per month

01/01/2022 - Contract type defined for a Fixed term, specified in days,




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**NOTES**

End Date: 02/13/2022

11/16/2021 - Salary defined as R$ 11,090.00 Per month

11/16/2021 - Contract type defined for Fixed term, specified in days,

End Date: 12/30/2021

11/16/2021 - Establishment defined as CI&T SOFTWARE S/A

11/16/2021 to 01/21/2022 - Position held: SOFTWARE ENGINEER

11/16/2021 - Employment status defined as Employee

11/16/2021 to 01/21/2022 - CBO Position held 2122-05

11/16/2021 - Hiring

## 12/09/2019 - 08/03/2020

Date of the projection of the notice period
**08/03/2020**

Employer
**SESC REGIONAL ADMINISTRATION IN THE STATE OF MATO GROSSO DO SUL**
**CNPJ RAIZ: 03.560.440**

Establishment
**SESC REGIONAL ADMINISTRATION IN THE STATE OF MATO GROSSO DO SUL**
**CNPJ: 03.560.440/0001-91**
**RUA ALMIRANTE BARROSO 52 FECOMERCIO ANNEX 79008300 AMAMBAI CAMPO GRANDE MS**

Position
**ANALYST I**

CBO - Position
**2124-05**

Contract type
**Indefinite term**

Contractual salary
**R$ 5,350.00 per month**

Employment status
**Employee**

Hiring type
**Hiring**

Source of Information
**ESOCIAL**




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**NOTES**

09/01/2020 - Salary defined as R$ 5,350.00 Per month, effective as of 05/01/2020

08/03/2020 - Contract Termination

12/09/2019 - Salary defined as R$ 5,222.00 Per month

12/09/2019 - Contract type defined for Indefinite term

12/09/2019 - Establishment defined as SESC REGIONAL ADMINISTRATION IN THE STATE OF MATO GROSSO DO SUL

12/09/2019 to 08/03/2020 - Position held: ANALYST I

12/09/2019 - Employment status defined as Employee

12/09/2019 to 08/03/2020 - CBO Position held 2124-05

12/09/2019 - Hiring

## 11/06/2017 - 12/06/2019

Employer
**BEFORE TECNOLOGIA DA INFORMACAO LTDA**
**CNPJ RAIZ: 09.429.379**

Establishment
**BEFORE TECNOLOGIA DA INFORMACAO LTDA**
**CNPJ: 09.429.379/0002-05**
**AVENIDA MARCOS PENTEADO DE ULHOA RODRIGUES 939 8TH FLOOR JACARANDA BUILDING TOWER I 6460040 TAMBORE BARUERI SP**

Position
**SYSTEMS DEVELOPMENT ANALYST**

CBO - Position
**2124-05**

Contract type
**Indefinite term**

Contractual salary
**R$ 4,424.98 per month**

Employment status
**Employee**

Hiring type
**Hiring**

Source of Information
**ESOCIAL**




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**NOTES**

12/06/2019 - Contract Termination

10/14/2019 - Vacation 10/14/2019 - 10/28/2019 reference period not available due to the eSocial version used

06/28/2019 - Salary defined as R$ 4,424.98 Per month, effective as of 06/28/2019

06/28/2019 to 12/06/2019 - Position held: SYSTEMS DEVELOPMENT ANALYST

06/17/2019 - Vacation 06/17/2019 to 07/01/2019 reference period not available due to the eSocial version used

01/02/2019 to 06/27/2019 - Position held: SYSTEMS DEVELOPMENT ANALYST IV

01/01/2019 - Salary defined as R$ 4,200.00 Per month, effective as of 01/01/2019

11/06/2017 - Salary defined as R$ 3,800.00 Per month

11/06/2017 - Contract type defined for indefinite term

11/06/2017 - Establishment defined as BEFORE TECNOLOGIA DA INFORMACAO LTDA

11/06/2017 to 01/01/2019 - Position held: SYSTEMS DEVELOPMENT ANALYST III

11/06/2017 - Employment status defined as Employee

11/06/2017 to 12/06/2019 - CBO Position held 2124-05

11/06/2017 - Hiring




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I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 4, 2026.

# Carteira de Trabalho Digital

Data de emissão: 14/11/2021

## Dados Pessoais

Nome civil
**RILLIAN DIELLO LUCAS PIRES**

| CPF | Sexo | Data de nascimento | Nacionalidade |
|---|---|---|---|
| **385.898.458-26** | **Masculino** | **27/12/1990** | **Brasileiro** |

Nome da mãe
**ZILDA SILVA LUCAS PIRES**

## Contratos de trabalho

20/06/2022 - 29/03/2023

Data da projeção do aviso prévio indenizado
**28/04/2023**

Empregador
**APPNOVATION TECHNOLOGIES (BRAZIL) LTDA**
**CNPJ RAIZ: 32.373.142**

Estabelecimento
**APPNOVATION TECHNOLOGIES (BRAZIL) LTDA**
**CNPJ: 32.373.142/0001-90**
**AV ALFREDO EGIDIO DE SOUZA ARANHA 100 BLOCO B ANDAR 6 - PARTE 4726908 VILA CRUZEIRO SAO PAULO SP**

Cargo
**DESENVOLVEDOR**

CBO Cargo
**2124-05**

Tipo de contrato
**Prazo indeterminado**

Salário contratual
**R$ 21.000,00 por mês**

Relação de trabalho
**Empregado**

Tipo de admissão
**Admissão**

Fonte da informação
**ESOCIAL**

### ANOTAÇÕES

29/03/2023 - Rescisão Contratual

20/06/2022 - Salário definido para R$ 21.000.00 Por mês

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## ANOTAÇÕES

20/06/2022 - Tipo de contrato definido para Prazo indeterminado

20/06/2022 - Estabelecimento definido para APPNOVATION TECHNOLOGIES (BRAZIL) LTDA

20/06/2022 a 29/03/2023 - Cargo exercido de DESENVOLVEDOR

20/06/2022 - Relação de trabalho definida para Empregado

20/06/2022 a 29/03/2023 - CBO Cargo exercido 2124-05

20/06/2022 - Admissão

## 16/11/2021 - 21/01/2022

Empregador

**CI&T SOFTWARE S/A**
**CNPJ RAIZ: 00.609.634**

Estabelecimento

**CI&T SOFTWARE S/A**
**CNPJ: 00.609.634/0001-46**
**EST GIUSEPPINA VIANELLI DI NAPOLLI 1455 BLOCO C PAVMTOSUPERIOR 13086530 POLO II DE ALTA TECNOLOGIA (CAMPINAS) CAMPINAS SP**

Cargo

**ENGENHEIRO DE SOFTWARE SR**

CBO Cargo

**2122-05**

Tipo de contrato

**Prazo determinado, definido em dias**
**Data do Término: 13/02/2022**

Salário contratual

**R$ 11.278,00 por mês**

Relação de trabalho

**Empregado**

Tipo de admissão

**Admissão**

Fonte da informação

**ESOCIAL**

## ANOTAÇÕES

21/01/2022 - Rescisão Contratual

02/01/2022 - Salário definido para R$ 11.278,00 Por mês

01/01/2022 - Tipo de contrato definido para Prazo determinado, definido em dias,


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## ANOTAÇÕES

Data do Término: 13/02/2022

16/11/2021 - Salário definido para R$ 11.090,00 Por mês

16/11/2021 - Tipo de contrato definido para Prazo determinado, definido em dias,

Data do Término: 30/12/2021

16/11/2021 - Estabelecimento definido para CI&T SOFTWARE S/A

16/11/2021 a 21/01/2022 - Cargo exercido de ENGENHEIRO DE SOFTWARE SR

16/11/2021 - Relação de trabalho definida para Empregado

16/11/2021 a 21/01/2022 - CBO Cargo exercido 2122-05

16/11/2021 - Admissão

## 09/12/2019 - 03/08/2020

Data da projeção do aviso prévio indenizado
**03/08/2020**

Empregador
**SESC ADMINISTRACAO REGIONAL NO ESTADO DO MATO GROSSO DO SUL**
**CNPJ RAIZ: 03.560.440**

Estabelecimento
**SESC ADMINISTRACAO REGIONAL NO ESTADO DO MATO GROSSO DO SUL**
**CNPJ: 03.560.440/0001-91**
**R ALMIRANTE BARROSO 52 ANEXO FECOMERCIO 79008300 AMAMBAI CAMPO GRANDE MS**

Cargo
**ANALISTA I**

CBO Cargo
**2124-05**

Tipo de contrato
**Prazo indeterminado**

Salário contratual
**R$ 5.350,00 por mês**

Relação de trabalho
**Empregado**

Tipo de admissão
**Admissão**

Fonte da informação
**ESOCIAL**


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## ANOTAÇÕES

01/09/2020 - Salário definido para R$ 5.350,00 Por mês , com efeito a partir de 01/05/2020

03/08/2020 - Rescisão Contratual

09/12/2019 - Salário definido para R$ 5.222,00 Por mês

09/12/2019 - Tipo de contrato definido para Prazo indeterminado

09/12/2019 - Estabelecimento definido para SESC ADMINISTRACAO REGIONAL NO ESTADO DO MATO GROSSO DO SUL

09/12/2019 a 03/08/2020 - Cargo exercido de ANALISTA I

09/12/2019 - Relação de trabalho definida para Empregado

09/12/2019 a 03/08/2020 - CBO Cargo exercido 2124-05

09/12/2019 - Admissão

## 06/11/2017 - 06/12/2019

Empregador

**BEFORE TECNOLOGIA DA INFORMACAO LTDA**
**CNPJ RAIZ: 09.429.379**

Estabelecimento

**BEFORE TECNOLOGIA DA INFORMACAO LTDA**
**CNPJ: 09.429.379/0002-05**
**AV MARCOS PENTEADO DE ULHOA RODRIGUES 939 ANDAR 8 EDIF JACARANDA TORRE I 6460040 TAMBORE BARUERI SP**

Cargo

**ANALISTA DESENV DE SISTEMA**

CBO Cargo

**2124-05**

Tipo de contrato

**Prazo indeterminado**

Salário contratual

**R$ 4.424,98 por mês**

Relação de trabalho

**Empregado**

Tipo de admissão

**Admissão**

Fonte da informação

**ESOCIAL**


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## ANOTAÇÕES

06/12/2019 - Rescisão Contratual
14/10/2019 - Férias 14/10/2019 a 28/10/2019 período aquisitivo não disponível em razão da versão do eSocial utilizada
28/06/2019 - Salário definido para R$ 4.424,98 Por mês , com efeito a partir de 28/06/2019
28/06/2019 a 06/12/2019 - Cargo exercido de ANALISTA DESENV DE SISTEMA
17/06/2019 - Férias 17/06/2019 a 01/07/2019 período aquisitivo não disponível em razão da versão do eSocial utilizada
02/01/2019 a 27/06/2019 - Cargo exercido de ANALISTA DESENV DE SISTEMAS IV
01/01/2019 - Salário definido para R$ 4.200,00 Por mês , com efeito a partir de 01/01/2019
06/11/2017 - Salário definido para R$ 3.800,00 Por mês
06/11/2017 - Tipo de contrato definido para Prazo indeterminado
06/11/2017 - Estabelecimento definido para BEFORE TECNOLOGIA DA INFORMACAO LTDA
06/11/2017 a 01/01/2019 - Cargo exercido de ANALISTA DESENV DE SISTEMAS III
06/11/2017 - Relação de trabalho definida para Empregado
06/11/2017 a 06/12/2019 - CBO Cargo exercido 2124-05
06/11/2017 - Admissão

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# INFORMATION TECHNOLOGY SERVICES AGREEMENT

The parties qualified below:

**IT ART TECNOLOGIA LTDA**, registered with the CNPJ under No. 23.823.212/0001-74, with its registered office at Alameda dos Maracatins, 1435, Suites 1207/1208, Indianópolis, SÃO PAULO/SÃO PAULO, ZIP Code 04089-015 (hereinafter referred to simply as "**CONTRACTING PARTY**");

AND

**RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**, registered with the CNPJ under No. 38.299.888/0001-88, with its registered office at Rua Itiquira, 458, Santa Fé, Campo Grande/MATO GROSSO DO SUL, ZIP Code 79.021-290 (hereinafter referred to simply as "**CONTRACTED PARTY**").

Whereas:

- **i.** the **CONTRACTING PARTY** identified an internal demand for hiring the specialized services that comprise the main purposeof this contractual agreement;
- **ii.** the **CONTRACTED PARTY** possesses specialized expertise for providing the necessary services, capable of adding great value to the purposeof this contract;
- **iii.** the parties discussed and negotiated all the conditions inserted in this contractual agreement, jointly stipulating the terms and obligations expressed herein;
- **iv.** there is no inequality between the parties, with full knowledge and absolute agreement with what they are covenanting;
- **v.** the present adjustment complies with the contractual principles established in the Brazilian Civil Code (Law No. 10.406/2002), in particular, good faith and the autonomy of will;

Have mutually agreed and covenanted this Services Agreement which shall be governed by the following clauses and conditions, pursuant to the applicable Brazilian legislation.

## 1. Purpose

1.1. This Agreement has as its purpose the provision of professional activities legally provided for in the Articles of Association of the **CONTRACTING PARTY**, without any exclusivity, especially Digital Platform/Software Development (Web/API), which shall be performed by the **CONTRACTED PARTY**according to the need and convenience of the **CONTRACTING PARTY**, through established strategy and guidelines, and which may encompass, briefly, but not limited to, the following activities ("**Services**"):

- **i.** development and integration of systems and platforms;
- **ii.** deployment of systemic version updates;
- **iii.** systemic service and support;
- **iv.** preventive and corrective maintenance for the digital platforms created and/or integrated;
- **v.** analysis, creation and migration of database
- **vi.** Input, maintenance and migration of database.

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## 2. OBLIGATIONS OF THE CONTRACTING PARTY

2.1. The obligations of the **CONTRACTING PARTY** are:

**i.** provide and allow the **CONTRACTED PARTY** access to all relevant and necessary technical information and data for the performance of the contracted activities, as well as inform the **CONTRACTED PARTY** about all decisions that may influence the provision of the Services;

**ii.** provide adequate infrastructure for the development of the activities; and,

**iii.** make payments for the services rendered and expense reimbursements in accordance with the amounts and manner provided for in this agreement.

## 3. OBLIGATIONS OF THE CONTRACTED PARTY

3.1. The **CONTRACTED PARTY** declares to have knowledge of all internal rules and regulations of the **CONTRACTING PARTY**, committing to meet their requirements and respect them.

3.2. The obligations of the **CONTRACTED PARTY** are:

**i.** render the Services purpose of this Agreement with diligence, efficiency, ethics, security, observing the best technique, special regulations for services of this nature and following the guidelines of the **CONTRACTING PARTY** according to the quality and productivity standards defined between the parties in the activities;

**ii.** faithfully fulfill the scope of the Services and execute the activities with the utmost perfection, periodically providing necessary technical information and clarifications regarding the performance of the Agreement and the progress of the activities, ensuring the **CONTRACTING PARTY** the monitoring of the work;

**iii.** immediately inform the **CONTRACTING PARTY** of any event that may prejudice the provision of the Services, regardless of the location where they are performed;

**iv.** inspect, control, and supervise the work of its representatives, employees, and/or agents, being certain that it is also responsible for guiding the use of safety equipment and for compliance with the safety and occupational health regulations applicable to the place where the services are performed;

**v.** the coordination, equipping and compensation, as well as compliance with labor, tax, social security, welfare and insurance legislation, arising from the contracted activities, with respect to its employees, service providers and agents designated for the execution of the Services;

**vi.** bear the fines issued due to infractions of legal regulations of any nature, provided that they arise from this agreement or are caused by its subordinate employees, and provided that it is given notice in a timely manner and has been guaranteed the timely exercise of defense;

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**vii.** When the project is divided into phases, the work schedule for delivery must contain the completion dates, specifications and detailing necessary for monitoring by the **CONTRACTING PARTY**;

**viii.** correction of any development, content or material prepared by it;

**ix.** ensure that the installation, the development of new programs, object of innovation, update, or adjustment, do not infringe any intellectual property rights, being liable for the resulting damages and eventual claims related to the misuse of industrial/intellectual property of media, programs, platforms, codes, and the like;

**x.** comply with the commitments undertaken in this agreement, especially regarding the safekeeping of secrecy and confidentiality (Clause 6), labor detachment and responsibility (Clause 4), and express assignment of copyrights (Clause 7);

## 4. DETACHMENT OF THE PARTIES

4.1. The parties, for all intents and purposes, declare, herein, the total detachment and independence of their businesses, being certain that at no time may they allege any corporate, labor or administrative relationship, committing themselves, solely and exclusively, to the commercial relationship regulated herein, that is, in addition to the provision of services regulated herein, no form of partnership, association, joint venture, control, subordination, alliance, employment relationship, joint or several liability is established, nor shall be established, between the contracting parties by virtue of this agreement.

4.2. The **CONTRACTED PARTY** declares its regular operating status and that the professionals eventually designated for the contracted Services have a regular labor status, its being the responsibility for the tax, labor, social security and insurance charges linked to its activities, with no employment relationship of any nature existing between these professionals and the **CONTRACTING PARTY**.

4.3. The legal relationship existing between the Parties has an exclusively civil nature of provision of services, the **CONTRACTING PARTY** not being responsible for any employment relationship between the **CONTRACTED PARTY** and its partners, representatives, service providers, employees or agents.

4.4. The **CONTRACTED PARTY** undertakes to always keep the **CONTRACTING PARTY** free from all labor and social security claims, complaints and demands arising from the professional relationships established between the **CONTRACTED PARTY** and its professionals, employees, collaborators, subcontractors, service providers and representatives, further committing to assume, at its sole expense, any lawsuits filed against the **CONTRACTING PARTY** that may result from such claims, complaints and demands, without prejudice to the duty to indemnify it in cases where its intervention, under the conditions provided for herein, proves to be impossible, ineffective or insufficient, during and after the term of this agreement. In the event of any judgment against the **CONTRACTING PARTY**, the right of recourse against the **CONTRACTED PARTY** is guaranteed, and it is further authorized to deduct any amount disbursed under this title from any credits in favor of the **CONTRACTED PARTY** for services rendered.

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4.5. The **CONTRACTED PARTY** is responsible for all measures and obligations regarding specific legislation for the prevention and treatment of work accidents when, in occurrences of this kind, its employees, service providers and representatives are victims, in the performance of the services or in connection with them, even if verified within the premises of the **CONTRACTING PARTY**, remaining fully responsible for any compensation to the victimized professional, except when the work accidents result from a negligent or willful action or omission of the **CONTRACTING PARTY**.

## 5. PRICING, TERMS, AND METHOD OF PAYMENT

5.1. For the provision of the services described in Clause 1.1., **CONTRACTING PARTY** and **CONTRACTED PARTY**, by mutual agreement, establish a fixed monthly price of **R$ 8,000.00** (eight thousand reais).

5.2. Payments shall occur by the 5th business day of the month subsequent to that of the provision of services, after the delivery by the **CONTRACTED PARTY** to the **CONTRACTING PARTY** of the invoice for the Services effectively rendered, with a minimum advance notice of 5 (five) days from the due date.

5.3. All taxes, fees, and parafiscal contributions due as a direct or indirect result of this agreement, or its execution, are already included in the agreed amount, with no other additional charge applying, it being clear that each party shall bear the taxes under its responsibility, as determined by the legislation in force.

5.4. Expenses incurred by the **CONTRACTED PARTY** for the execution of the Services purpose of this agreement are already included in the price established in clause 5.1., however, if there are extraordinary expenses that depend on reimbursement, these must be submitted to the prior approval of the **CONTRACTING PARTY**.

5.4.1 Expense reimbursements, once authorized, shall be settled by the Contracting Party upon presentation of a debit note containing the proof of expenses.

5.5. In the event of a payment delay, the **CONTRACTING PARTY** shall pay a fine of 2% (two percent) on the total amount of the debt and late payment interest of 1% (one percent) per month, calculated pro rata die, provided that the **INVOICE** is issued by the 30th (thirtieth) day of the competence month.

5.6. At each complete period of 12 (twelve) months, the contractual value shall be adjusted based on the IGP-M index, and, in the event that the said index is revoked by the Government, it shall be replaced by another that is equivalent to it.

5.7. The **CONTRACTED PARTY** may not, under any circumstances and under any pretext, conduct any type of negotiation of the titles and/or amounts arising from this hiring, such as pledging, transferring, assigning and/or lending to third parties, among other things, which is why the **CONTRACTING PARTY** shall always, solely and exclusively, pay the relevant amounts to the **CONTRACTED PARTY**.

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## 6. SECRECY AND CONFIDENTIALITY OF INFORMATION

6.1. It is expressly forbidden for the **CONTRACTED PARTY**, its representatives, employees or agents to circulate or utilize the terms of this Agreement or the derived Services, whether in disclosure, online or offline, social networks, resume or advertising of any nature, without prior and express authorization from the **CONTRACTING PARTY**, being also forbidden the utilization of the name, trademark and logo of the **CONTRACTING PARTY** under any circumstances, outside the scope of the contracted projects.

6.2. The **CONTRACTED PARTY** undertakes, for itself, its employees, workers, agents, successors, professionals and/or subcontracted companies, to maintain the most complete and absolute secrecy and consider confidential any and all data, documents, information, regardless of the form in which they have been transmitted, whether technical, commercial, personal and others, that it may come to know from the **CONTRACTING PARTY** by reason of this agreement, including, but not limited to, those of a business nature, being prohibited under any pretext from disclosing, utilizing, assigning, transferring, revealing, utilizing, storing, or making known to third parties foreign to this hiring, under the penalties of law, without exclusion of the full assessment of losses and damages for the injuries suffered.

6.2.1. The "Confidential Information" encompasses those of the **CONTRACTING PARTY**, of clients and suppliers and may be provided to the **CONTRACTED PARTY** orally or in writing through the following means, including, but not limited to removable media and data storage disks, drawings, models, data, specifications, reports, compilations, financial and economic reports, research, indicators, potential competitors, copies of agreements, existing or future products, results, and any other materials that have been obtained or known before or after the term of this Confidentiality Term.

6.3. The **CONTRACTED PARTY** shall not be required to maintain the secrecy of information that:

- **i.** are in the public domain at the time of their disclosure or subsequently become part of the public domain through a source other than the party that received the information by virtue of this agreement;
- **ii.** are subsequently obtained from third parties who are not subject to the obligation to maintain them in secrecy before the party that provided the information;
- **iii.** are already known by the party receiving them at the time of their disclosure, with written proof of this fact;
- **iv.** are independently generated by the party receiving the information without relying on the confidential information of the party providing the information, with written proof of this fact;
- **v.** are disclosed in accordance with the law in force, regulations, court order, legal process or professional standards, or by virtue of the rights of the party receiving the information.

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6.4. The **CONTRACTED PARTY** undertakes to expressly notify all professionals it designates for the execution of the services contracted herein, committing to cause these professionals or third parties hired by the **CONTRACTED PARTY** for the execution of the services to sign express personal

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commitments of confidentiality and responsibility and comply with the obligations contained in this clause:

i) regarding the secretive and confidential nature of the information, taking all necessary measures to ensure that such information is disclosed solely to those individuals who need to have access to it for the purposes of this agreement;

ii) regarding the liability for the use of tools, access profiles, and control of passwords made available and/or generated for the benefit of the **CONTRACTING PARTY**, being strictly prohibited any transfer, modification, disclosure, or use unrelated to the scope established by the **CONTRACTING PARTY**, except when formally requested and/or authorized by the **CONTRACTING PARTY**;

6.5. The obligation of secrecy and confidentiality referred to in this clause shall remain in force for an indefinite period, counted from the beginning of the negotiations between the parties.

6.6. The **CONTRACTED PARTY** shall return, intact and in their entirety, all documents, data, and materials eventually provided to it, upon the rescission and/or termination of the services.

6.7. The **CONTRACTED PARTY** is fully responsible for any and all damages that the **CONTRACTING PARTY** may suffer due to a breach of secrecy, under the terms above, provided that it is proven to be caused by the **CONTRACTED PARTY**.

6.8. If one of the parties receives a court order or other administrative requirement validly issued by government authorities, regulatory agencies, or government entities, requiring the disclosure of information obtained from the other party, such party shall immediately, within 24 hours, issue a written notification of such requirement to the other party, to allow it to adopt the measures it deems appropriate to protect its interests, being certain that the simple refusal, unaccompanied by judicial protection, shall not be sufficient to prevent compliance with the determination emanating from the aforementioned authority.

## 7. INTELLECTUAL PROPERTY AND COPYRIGHTS

7.1. The copyrights emerging from the services rendered by the **CONTRACTED PARTY** to the **CONTRACTING PARTY**, on account of the services herein contracted, shall be owned by the **CONTRACTING PARTY**, and the **CONTRACTED PARTY** must obtain, from its own employees or from contracted or subcontracted third parties, both individuals and legal entities, the assignment of these rights exclusively to the **CONTRACTING PARTY**, or to whoever succeeds it, totally or partially, under a universal and definitive title, onerously, namely, by means of the payment provided for in Clause 5 of this Agreement.

7.1.1 All products and services developed by the **CONTRACTED PARTY** as a function of the present contract, including, but not limited to, systems, codes, data, reports, methodologies, techniques, projects, intellectual material, management information, slogans, graphic materials, any and all creations, ideas, phrases, expressions, drawings, illustrations, trademarks, audiovisual works and/or characters, supporting materials, shall become the

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sole and exclusive property of the **CONTRACTING PARTY**, which may use them in any manner it sees fit, for use at any time, including after the termination of this Agreement;

7.1.2. The **CONTRACTED PARTY** expressly recognizes herein that it is not entitled to any additional amount beyond what has already been contracted, having no right to receive any percentage or sum over the future exploitation and/or eventual valuation of the items mentioned in clause 7.1.1, which are of exclusive property of the **CONTRACTING PARTY**;

7.1.3. It is the responsibility of the **CONTRACTED PARTY** to ensure that all its employees, partners, or service providers in general, who act in the performance of the services covered by this contract, sign an individual instrument of assignment of rights, and it is also the obligation of the **CONTRACTED PARTY** to deliver to the **CONTRACTING PARTY** a copy of the completed and signed document at least 24 (twenty-four) hours prior to the start of the collaborator's activities.

7.2. The Contracted Party is not permitted to use, outside the scope of this agreement, the name, trademark, logo and/or any other identifying element of the Contracting Party and/or of companies belonging to the same economic group, in Brazil and/or abroad, nor to disclose unauthorized audiovisual and/or photographic material containing any of these elements, even if such use and/or disclosure is carried out in an amateur manner. The prohibition contained in this Clause includes the ban on the use and/or disclosure by the Contracted Party of the identifying elements of the Contracting Party, as previously mentioned, its means of production, facilities, equipment, data, systems and/or know-how, codes, in any form of media and/or social network, as well as private communication other than that related to the contracted purpose.

## 8. TERM AND TERMINATION

8.1. The Agreement shall remain in force for an indefinite period, starting from the date of its signature, and may be terminated at any time and by either Party without cause, provided that it is denounced in writing with a minimum advance notice of 30 (thirty) days counted from the receipt of the communication by the Party, without any incidence of burdens, charges, fines, or indemnifications as a result of the termination.

8.2. In addition to the cases provided for above, the Agreement may be terminated, regardless of notice, and without burden to the innocent party in the following cases:

**i.** judicial dissolution of either Party;

**ii.** filing for bankruptcy or judicial recovery;

**iii.** breach of the duty of secrecy and confidentiality;

**iv.** misuse by the **CONTRACTED PARTY** of any data, information, equipment, or form of manifestation of the **CONTRACTING PARTY** or its clients;

**v.** if one of the Parties has its operating authorization revoked;

**vi.** proof of incompetence, negligence, recklessness, or malpractice in the execution of the Services by the **CONTRACTED PARTY**;

**vii.** for non-compliance, by either Party, with the obligations assumed, provided that the irregularities are not remedied within a period of 05 (five) days from the receipt, by the offending party, of a notification describing such infraction;

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viii. interruption of the services by the **CONTRACTED PARTY**, except for duly proven reasons of force majeure, as well as fortuitous events;

ix. non-compliance by the **CONTRACTED PARTY** with the specifications or recommendations given by the **CONTRACTING PARTY**.

8.3. Should the Agreement be unilaterally terminated by the Contractting Party, the Contracted Party shall be entitled to receive the full amount due for the performance of the Services up to the month of the actual termination of the agreement, counting the 30 (thirty) day period following the notification.

8.4. Should the Agreement be unilaterally terminated by the **CONTRACTED PARTY**, the **CONTRACTED PARTY** shall be entitled to receive the full amount due for the performance of the Services up to the month of the actual termination of the agreement, counting the 30 (thirty) day period following the notification, provided that services are rendered during that period.

8.5. Upon the termination of the Agreement, for any reason, the **CONTRACTED PARTY** shall immediately return all materials, documents, sources, or objects eventually received from the **CONTRACTING PARTY** or developed by the **CONTRACTED PARTY** that contain information provided during the term of the Agreement, being its reproduction prohibited.

8.6. The **CONTRACTED PARTY** shall previously inform the **CONTRACTING PARTY** about any modification made to its corporate, financial, and administrative structure, under penalty of contractual termination.

## 9. ASSIGNMENT OF RIGHTS

9.1 The **CONTRACTED PARTY** may not assign or transfer to third parties, totally or partially, the obligations and rights contracted through this Agreement, unless previously authorized in writing by the **CONTRACTING PARTY**.

9.1.1. The obligations assumed by the Contracted Party, arising from any assignment, transfer, or subcontracting of the Services that may be authorized by the Contracting Party, shall be of its sole and exclusive responsibility, remaining as the solely responsible party to the Contracting Party for the obligations assumed in this Agreement, regardless of who executes them, being direct invoicing by any subcontractor to the Contracting Party prohibited.

9.1.2. It is hereby agreed that any assignment, transfer, or subcontracting shall not entail any additional obligation or burden to the Contracting Party, which shall remain bound solely and exclusively to the Contracted Party, not being bound, under any circumstances, to the third party to whom the Services were totally or partially assigned, transferred, or subcontracted.

9.2. The **CONTRACTED PARTY**, as well as its respective partners, is prohibited from using as collateral, assigning, or entering into any other form of obligation regarding the rights it holds by virtue of this adjustment, and is also prohibited from drawing or issuing any kind of credit instruments based on the Agreement, as well as giving them commercial circulation.

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## 10. GENERAL PROVISIONS

10.1. The **CONTRACTED PARTY** represents and warrants to the **CONTRACTING PARTY** that:

**i.** it is duly qualified, legally and technically, to execute and perform this agreement and that the signatory(ies) is(are) vested with the powers to do so; and,

**ii.** it possesses the registrations and authorizations necessary for the execution of the contracted services and the manner of performance, and shall be fully liable to the **CONTRACTING PARTY** for all direct and indirect damages that may arise from the inaccuracy of the representations and warranties listed in this item or in any other provision of this agreement or its performance.

10.2. All communications and notifications between the Parties shall be made in writing and delivered or forwarded by registered mail, email (electronic mail), or any other means of communication that allows proof of delivery to the receiving Party of said communication, with the notifications addressed to the following addresses:

**a)** To the **CONTRACTING PARTY**:
Attn: IT. ART TECNOLOGIA LTDA
Email: nicolle@byinti.com
Phone: (11) 98465-3236
Address: Alameda dos Maracatins,1435 Suites 1207/1208
Indianopolis – São Paulo – São Paulo
ZIP Code: 04089-015

**b)** To the **CONTRACTED PARTY**:
Attn: RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA
Email: rilliansf@gmail.com
Phone: (67) 99946-2784
Address: Rua Itiquira, 458
Santa Fé – Campo Grande - Mato Grosso do Sul
ZIP Code: 79.021-290

10.3. The Parties agree that, in the event of a dispute or contractual breach, they shall work together in good faith to resolve any impasses and, if necessary, shall escalate the issue to higher hierarchical levels in search of an amicable solution. The Parties shall further employ alternative dispute resolution procedures for a period of at least 10 (ten) days following the notification from one Party to the other Party regarding the dispute in question, before initiating legal litigation. This provision, however, shall not apply to disputes related to breach of confidentiality, non-compete commitments, or intellectual property violations, in which cases the Parties shall be free to immediately seek relief from the Judiciary.

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10.4. In the event that any clause or provision of this Agreement is deemed null, unwritten, or abusive, such clause or provision shall not cause the nullity of this Agreement as a whole.

10.5. If either Party fails to exercise any right arising from this Agreement at the appropriate time, such act shall not represent a waiver or novation, and shall be interpreted as a mere forbearance, and the right may be exercised at any time, unless the Parties expressly provide otherwise.

10.6. If either Party tolerates, for the benefit of the other, the non-compliance, in whole or in part, with any of the clauses or conditions of this Agreement and its annexes, such tolerance shall never be construed as a modification of any of the provisions of this agreement, which shall remain unaltered as if no tolerance had occurred.

10.7. The present Agreement and its annexes contain everything that was agreed upon by the Parties with respect to its purpose and supersede any and all other understandings, written or oral, regarding the matter treated herein. Any requests made by the **CONTRACTING PARTY** under the present agreement shall be governed by the terms of this Agreement. Any and all annexes included herein shall be integral parts of the Agreement and shall constitute the sole and express will of the Parties on the matters they regulate. Notwithstanding, the **CONTRACTING PARTY** represents and acknowledges that it is signing this agreement solely for its benefit and based only on the terms and conditions agreed herein, with the express exclusion of any other representations, promises, and/or statements.

10.8. The Agreement binds the Parties and their successors under any title.

10.9. The Parties may amend the terms and conditions of this Agreement, by means of the signature, by their authorized representatives, of the necessary contractual amendments.

## 11. ANTI-CORRUPTION PROVISIONS

11.1. The **CONTRACTED PARTY** undertakes, under the penalties provided for in this agreementand in the applicable legislation, to strictly observe and comply with all applicable laws, including, but not limited to, the Brazilian anti-corruption legislation (Law No. 12.846/2013) and anti-money laundering legislation (Law No. 9.613/1998), as well as the FCPA – Foreign Corrupt Practices Act, and anti-corruption regulations of the United States (collectively "Anti-Corruption Laws"), as well as the rules and requirements contained in the internal policies of the **CONTRACTING PARTY**.

11.2. The **CONTRACTED PARTY** represents and warrants that it is not involved and will not involve itself, directly or indirectly, through its representatives, administrators, directors, board members, partners or shareholders, advisors, consultants, subcontractors, or related parties, during the performance of the obligations provided for in this Agreement, in any activity or practice that constitutes an infraction under the terms of the Anti-Corruption Laws.

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11.3. The **CONTRACTED PARTY** represents and warrants that neither itself nor its representatives, agents, administrators, directors, board members, partners or shareholders, advisors, or consultants are,

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directly or indirectly: (i) under investigation due to allegations of bribery and/or corruption; (ii) in the course of a judicial and/or administrative proceeding, or have been convicted or indicted on charges of corruption or bribery; (iii) listed by any government entity, nor known or suspected of terrorism practices and/or money laundering; (iv) subject to economic and business restrictions or sanctions by any government entity; and (v) banned or debarred under any law enforced or supervised by any government entity.

11.4. Non-compliance by the **CONTRACTED PARTY** with the Anti-Corruption Laws shall be considered a material breach of this Agreement and shall grant the **CONTRACTING PARTY** the right, acting in good faith, to immediately terminate this Agreement without any penalty or liability.

11.5. The **CONTRACTED PARTY** represents that, directly or indirectly, it has not offered, promised, paid, or authorized the payment of money, given or agreed to give gifts or anything of value and, during the term of this Agreement, it will not offer, promise to pay or authorize the payment of money, give or agree to give gifts or anything of value to any person or entity, public or private, with the objective of illicitly benefiting the **CONTRACTING PARTY** and/or its business.

11.6. The **CONTRACTED PARTY** represents that, directly or indirectly, it will not receive, transfer, maintain, use, or conceal resources arising from any illicit activity, as well as it will not hire as an employee or in any way maintain a professional relationship with individuals or legal entities involved in criminal activities, especially regarding Anti-Corruption Laws, money laundering, drug trafficking, and terrorism.

11.7. The **CONTRACTED PARTY** represents and warrants that (i) its current representatives are not public officials or government employees; (ii) it shall immediately inform, in writing, any appointment of its representatives as public officials or government employees; and (iii) any eventual appointment, under the terms of item "ii" above, shall automatically result in the termination of this Agreement, without the imposition of any fine or penalty.

11.8. The **CONTRACTED PARTY** shall promptly notify the **CONTRACTING PARTY**, in writing, regarding any suspicion or violation of the provisions of the Anti-Corruption Laws and/or the Anti-Corruption Policy, as well as any participation in bribery or corruption practices, and also the non-compliance with any representation provided for in this Clause.

## 12. JURISDICTION

12.1. The Parties elect the Jurisdiction of the Judicial District of São Paulo, with the express waiver of any other, however privileged it is or may become, to resolve any doubt or controversy arising from the interpretation or execution of this Agreement, which shall be governed by and construed in accordance with the laws in force in the Federative Republic of Brazil.

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## 13. AUTHORITY

13.1. The Parties signing this Agreement represent that they possess full civil capacity to do so, without any legal impediment, and are vested with full powers and duly authorized by all respective corporate acts. The signature of this agreement thus formalizes the herein contracted purpose and makes it a legal, valid, and binding obligation of the Parties, enforceable in accordance with its terms and relevant legislation, prevailing over any understandings or documents previously executed.

And since the **CONTRACTING PARTY** and the **CONTRACTED PARTY** are, thus, in full agreement with the provisions of this private agreement, they initial all pages and, at the end, sign it, together with 2 (two) witnesses, in 2 (two) counterparts of equal content and form, for all legal purposes.

São Paulo, August 3, 2020

DocuSigned by:
Nicolle Stad
35A4FAC9FCF8479...

IT. ART TECNOLOGIA LTDA
CONTRACTING PARTY

DocuSigned by:
Rillian Diello
F119909758F5491...

RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA
CONTRACTED PARTY

**Witnesses:**

DocuSigned by:
Júlia Carlos
061F625DEDD443F...

Name: Júlia Carlos
CPF/MF: 039.380.664-23

DocuSigned by:
William Martins
B08DED3C95574DF...

Name: William Martins
CPF/MF: 37080045827

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 16, 2026.

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# CONTRATO DE PRESTAÇÃO DE SERVIÇOS DE TECNOLOGIA DA INFORMAÇÃO

As partes abaixo qualificadas:

**IT ART TECNOLOGIA LTDA**, inscrita no CNPJ sob o nº 23.823.212/0001-74, com sede na Alameda dos Maracatins, 1435, Conj 1207/1208, Indianópolis, SÃO PAULO/SP, CEP 04089-015 (doravante designada simplesmente "**CONTRATANTE**");

E

**RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**, inscrita no CNPJ sob o nº 38.299.888/0001-88, com sede na Rua Itiquira, 458, Santa Fé, Campo Grande/MS, CEP 79.021-290 (doravante designada simplesmente "**CONTRATADA**").

Considerando que:

**i.** a **CONTRATANTE** identificou demanda interna para contratação dos serviços especializados que compõe objeto principal deste instrumento contratual;

**ii.** a **CONTRATADA** possui expertise especializada para a prestação dos serviços necessários, capaz de agregar grande valor ao objeto deste contrato;

**iii.** as partes discutiram e negociaram todas as condições inseridas neste instrumento contratual, estipulando conjuntamente os termos e obrigações aqui expressos;

**iv.** inexiste desigualdade entre as partes, havendo pleno conhecimento e absoluta concordância com o que estão pactuando;

**v.** o presente ajuste obedece aos princípios contratuais estabelecidos no Código Civil Brasileiro (Lei nº. 10.406/2002), em especial a boa fé e a autonomia de vontades;

Têm entre si justo e acordado o presente Contrato de Prestação de Serviços que se regerá pelas cláusulas e condições a seguir, nos termos da legislação brasileira aplicável.

## 1. Objeto

1.1. O presente Contrato tem por objeto a prestação de atividades profissionais legalmente previstas no Contrato Social da **CONTRATANTE**, sem qualquer exclusividade, especialmente de Desenvolvimento de Plataforma Digital/Software (Web/API), que será realizada pela **CONTRATADA** conforme necessidade e conveniência da **CONTRATANTE**, através de estratégia e diretrizes estabelecidas, e que poderão abarcar, resumidamente, mas não se limitando, às seguintes atividades ("**Serviços**"):

**i.** desenvolvimento e integração de sistemas e plataformas;

**ii.** implantação de atualizações de versões sistêmicas;

**iii.** atendimento e suporte sistêmico;

**iv.** manutenção preventiva e corretiva às plataformas digitais criadas e/ou integradas;

**v.** análise, criação e migração de banco de dados

**vi.** *Input*, manutenção e migração de banco de dados.

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## 2. OBRIGAÇÕES DA CONTRATANTE

2.1. São obrigações da **CONTRATANTE**:

**i.** fornecer e permitir à **CONTRATADA** o acesso a todas as informações e dados técnicos relevantes e necessários ao desempenho das atividades contratadas, bem como informar à **CONTRATADA** sobre todas as decisões que possam influenciar a prestação dos Serviços;

**ii.** proporcionar infraestrutura adequada ao desenvolvimento das atividades; e,

**iii.** efetuar os pagamentos dos serviços prestados e reembolsos de despesas de acordo com os valores e forma previstos no presente instrumento.

## 3. OBRIGAÇÕES DA CONTRATADA

3.1. A **CONTRATADA** declara ter conhecimento de todas as normas e regulamentos internos da **CONTRATANTE**, comprometendo-se a atender suas exigências e respeitá-los.

3.2. São obrigações da **CONTRATADA**:

**i.** prestar os Serviços objeto deste Contrato com zelo, eficiência, ética, segurança, observando a melhor técnica, normas especiais em serviços desta natureza e seguindo as diretrizes da **CONTRATANTE** de acordo com os padrões de qualidade e produtividade definidos entre as partes nas atividades;

**ii.** cumprir fielmente o escopo dos Serviços e executar as atividades com a máxima perfeição, prestando periodicamente informações e esclarecimentos técnicos necessários sobre a execução do Contrato e o andamento das atividades, assegurado à **CONTRATANTE** o acompanhamento dos trabalhos;

**iii.** informar imediatamente a **CONTRATANTE** sobre qualquer fato que possa prejudicar a prestação dos Serviços, independentemente do local de sua realização;

**iv.** fiscalizar, controlar e supervisionar os trabalhos dos seus representantes, empregados e/ou prepostos, sendo certo que se responsabiliza, também, pela orientação do uso dos equipamentos de segurança e obediência às normas de segurança e medicina do trabalho aplicáveis ao local da prestação de serviços;

**v.** a coordenação, aparelhamento e remuneração, bem como o cumprimento da legislação trabalhista, tributária, previdenciária, assistencial e securitária, decorrentes das atividades contratadas, no que diz respeito aos seus empregados, prestadores de serviços e prepostos designados para a execução dos Serviços;

**vi.** arcar com as multas lavradas em função de infrações às normas legais de qualquer natureza, desde que oriundas do presente contrato ou por empregados subordinados seus, e desde que lhe seja dado conhecimento oportunamente e lhe tenha sido garantido o exercício de defesa tempestivo;

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**vii.** Quando o projeto for dividido em fases o cronograma de trabalho para entrega deve conter as datas de finalizações, especificações e detalhamento necessários para acompanhamento pela **CONTRATANTE;**

**viii.** correção de qualquer desenvolvimento, conteúdo ou material por ela elaborado**;**

**ix.** garantir que a instalação, o desenvolvimento de novos programas, objeto de inovação, atualização ou ajuste, não infrinjam quaisquer direitos de propriedade intelectual, responsabilizando-se pelos prejuízos resultantes e eventuais demandas relativas ao uso indevido de propriedade industrial/intelectual de mídias, programas, plataformas, códigos e semelhantes;

**x.** cumprir os compromissos assumidos no presente contrato, especialmente no que diz respeito à guarda de sigilo e confidencialidade (Cláusula 6), desvinculação e responsabilidade trabalhista (Cláusula 4), cessão expressa de direitos autorais (Cláusula 7).

## 4. DESVINCULAÇÃO DAS PARTES

4.1. As partes, para todos os efeitos, declaram, neste ato, a total desvinculação e independência de seus negócios, sendo certo que em nenhum momento poderão alegar qualquer vinculação de ordem societária, trabalhista ou administrativa, comprometendo-se, única e exclusivamente, com a relação comercial ora regulada, ou seja, além da prestação de serviço ora regulada, não se estabelece, nem se estabelecerá, entre as partes contratantes, por força deste contrato, qualquer forma de sociedade, associação, *join venture*, controle, subordinação, parceria, vínculo empregatício, responsabilidade solidária ou subsidiária.

4.2. A **CONTRATADA** declara sua situação regular de funcionamento e que os profissionais eventualmente designados para os Serviços contratados possuem situação trabalhista regular, sendo sua a responsabilidade pelos encargos fiscais, trabalhistas, previdenciários e securitários vinculados às suas atividades, inexistindo vínculo empregatício de qualquer natureza entre esses profissionais e a **CONTRATANTE**.

4.3. O vínculo jurídico existente entre as Partes tem natureza exclusividade civil de prestação de serviços, não se responsabilizando a **CONTRATANTE** por qualquer relação de emprego entre a **CONTRATADA** e seus sócios, representantes, prestadores de serviços, funcionários ou prepostos.

4.4. A **CONTRATADA** se compromete a manter a **CONTRATANTE** sempre livre de toda reivindicação, reclamação e pleitos trabalhistas e previdenciários decorrentes dos relacionamentos profissionais estabelecidos entre a **CONTRATADA** e seus profissionais, funcionários, colaboradores, subcontratados, prestadores de serviços e representantes, comprometendo-se inclusive a assumir, às suas exclusivas expensas, as ações eventualmente pleiteadas contra a **CONTRATANTE** que possam resultar dessas reivindicações, reclamações e pleitos, sem embargo do dever de indenizá-la nos casos em que a sua intervenção, nas condições aqui previstas, se mostrar impossível, ineficaz ou insuficiente, durante e após a vigência do presente instrumento. Caso haja alguma condenação em relação à **CONTRATANTE**, fica assegurado o direito de regresso contra a **CONTRATADA**, ficando inclusive, autorizada a descontar qualquer valor desembolsado a este título de eventuais créditos em favor da **CONTRATADA** por serviços prestados.

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4.5. A **CONTRATADA** se responsabiliza por todas as providências e obrigações referentes à legislação específica de prevenção e tratamento de acidentes de trabalho quando, em ocorrências dessa espécie forem vítimas os seus empregados, prestadores de serviços e representantes, no desempenho dos serviços ou em conexão com eles, ainda que verificadas nas dependências da **CONTRATANTE**, ficando integralmente responsável por qualquer indenização ao profissional vitimado, salvo quando os acidentes de trabalho forem decorrentes de ação ou omissão, culposa ou dolosa da **CONTRATANTE**.

## 5. PREÇO DOS SERVIÇOS, CONDIÇÕES E FORMA DE PAGAMENTO

5.1. Pela prestação dos serviços descritos na Cláusula 1.1., **CONTRATANTE** e **CONTRATADA,** em comum acordo, estabelecem preço fixo mensal de **R$ 8.000,00** (oito mil reais).

5.2. Os pagamentos ocorrerão até o 5° dia útil do mês subsequente ao da prestação de serviços, após a entrega pela **CONTRATADA** à **CONTRATANTE** da nota fiscal dos Serviços efetivamente prestados, com antecedência mínima de 5 (cinco) dias da data de vencimento.

5.3. Todos os tributos, emolumentos e contribuições parafiscais, que sejam devidos em decorrência direta ou indireta do presente contrato, ou de sua execução, já estão embutidos no valor pactuado, não incidindo nenhum outro adicional, ficando claro que cada parte arcará com os tributos de sua responsabilidade, determinados pela legislação vigente.

5.4. As despesas incorridas pela **CONTRATADA** para execução dos Serviços objeto do presente contrato, já estão contempladas no preço estabelecido na cláusula 5.1., contudo se existirem despesas extraordinárias que dependam de reembolso, estas devem ser submetidas a aprovação prévia da **CONTRATANTE**.

5.4.1 Os reembolsos de despesas, após autorizadas, serão quitadas pela Contratante após apresentação de nota de débito, contendo os comprovantes de despesas.

5.5. Ocorrendo atraso no pagamento, a **CONTRATANTE** pagará multa de 2% (dois por cento) sobre o total do débito e juros de mora de 1% (um por cento) ao mês, calculados *pro rata die,* desde que a **NOTA FISCAL** seja emitida até o dia 30 (trinta) do mês de competência.

5.6. A cada período completo de 12 (doze) meses, o valor contratual será corrigido, com base no índice do IGP-M, e, caso referido índice seja revogado pelo Governo, este será substituído por outro que o equivalha.

5.7. A **CONTRATADA** não poderá, em qualquer hipótese e sob qualquer pretexto, realizar qualquer tipo de negociação dos títulos e/ou valores decorrentes dessa contratação, tais como, penhorar, transferir, ceder e/ou emprestar a terceiros, dentre outras coisas, razão pela qual a **CONTRATANTE** pagará os valores pertinentes, sempre, única e exclusivamente, à **CONTRATADA**.

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## 6. SIGILO E CONFIDENCIALIDADE DAS INFORMAÇÕES

6.1. Fica expressamente vedado à **CONTRATADA**, seus representantes, empregados ou prepostos circular ou utilizar-se dos termos deste Contrato ou dos Serviços derivados, seja em divulgação, *on-line* ou *off-line*, redes sociais, currículo ou publicidade de qualquer natureza, sem prévia e expressa autorização da **CONTRATANTE**, sendo também vedada a utilização do nome, marca e logomarca da **CONTRATANTE** em qualquer hipótese, fora do escopo dos projetos contratados.

6.2. A **CONTRATADA** obriga-se, por si, seus empregados, funcionários, prepostos, sucessores, profissionais e/ou empresas subcontratadas, a manter o mais completo e absoluto sigilo e considerar confidenciais todos e quaisquer dados, documentos, informações, independentemente da forma que tenham sido transmitidas, sejam de ordem técnica, comerciais, pessoais e outras, que venham a ter conhecimento pela **CONTRATANTE** em razão deste contrato, inclusive, mas não se limitando, as de caráter negocial, não podendo sob qualquer pretexto divulgar, utilizar, ceder, transferir, revelar, utilizar, armazenar, ou dar conhecimento a terceiros estranhos a esta contratação, sob as penas da lei, sem exclusão do cabal arbitramento de perdas e danos pelos prejuízos sofridos.

6.2.1. As "Informações Confidenciais" abrangem as da **CONTRATANTE**, de clientes e fornecedores e poderão ser fornecidas à **CONTRATADA** oralmente ou por escrito através dos seguintes meios, incluindo, mas não se limitando a mídias removíveis e discos de armazenamento de dados, desenhos, modelos, dados, especificações, relatórios, compilações, relatórios financeiros e econômicos, pesquisas, indicadores, potenciais concorrentes, cópias de contratos, produtos existentes ou futuros, resultados, e outros materiais quaisquer que tenham sido obtidos ou conhecidos antes ou depois da vigência deste Termo de Confidencialidade.

6.3. A **CONTRATADA** não será obrigada a manter o sigilo das informações que:

- **i.** sejam de domínio público no momento de sua divulgação ou que venham posteriormente a ser de domínio público por meio de uma fonte que não a parte que recebeu as informações por força do presente contrato;
- **ii.** sejam obtidas posteriormente de terceiros que não estejam sujeitos à obrigação de mantê-las em sigilo perante a parte que forneceu as informações;
- **iii.** já sejam conhecidas pela parte que as recebe no momento da sua divulgação, com prova por escrito deste fato;
- **iv.** sejam geradas independentemente pela parte que recebe as informações sem se basear nas informações confidenciais da parte que fornece as informações, com prova por escrito deste fato;
- **v.** sejam divulgadas de acordo com a lei vigente, regulamentos, ordem judicial, processo judicial ou normas profissionais, ou por força dos direitos da parte que recebe as informações.

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6.4. A **CONTRATADA** obriga-se a cientificar expressamente todos os profissionais que designar para a execução dos serviços ora contratados, comprometendo-se a fazer com que estes profissionais ou terceiros contratados pela **CONTRATADA** para a execução dos serviços firmem compromissos pessoais

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expressos de confidencialidade e responsabilidade e cumpram as obrigações contidas nesta cláusula:

i) sobre o caráter sigiloso e confidencial das informações, tomando todas as medidas necessárias para que tais informações sejam divulgadas tão somente àqueles que necessitem ter acesso a elas, para os propósitos deste contrato;

ii) sobre a responsabilidade pelo uso das ferramentas, perfis de acesso e controle das senhas disponibilizadas e/ou geradas em favor da **CONTRATANTE**, sendo vedado o repasse, alteração, divulgação e a utilização desvinculados do escopo estabelecido pela **CONTRATANTE**, salvo quando formalmente solicitado e/ou autorizado pela **CONTRATANTE**;

6.5. A obrigação de sigilo e confidencialidade de que trata esta cláusula permanecerá em vigor por prazo indeterminado, contado a partir do início das tratativas das partes.

6.6. A **CONTRATADA** deverá devolver, íntegros e integralmente, todos os documentos, dados e materiais eventualmente a ela fornecidos, quando da rescisão e/ou término dos serviços.

6.7. A **CONTRATADA** é inteiramente responsável por todo e qualquer dano que a **CONTRATANTE** venha sofrer por quebra de sigilo, nos termos acima, desde que comprovadamente ocasionada pela **CONTRATADA**.

6.8. Se uma das partes receber uma ordem judicial ou outra exigência administrativa proveniente de autoridades governamentais, agências regulatórias ou autarquias validamente emitida, requerendo a revelação de informações obtidas da outra parte, tal parte deverá emitir imediatamente, em até 24hs, uma notificação de aviso por escrito à outra de tal exigência, para permitir que esta possa adotar as medidas que entenda adequadas à proteção de seus interesses, sendo certo que a simples desautorização, desacompanhada de proteção judicial, não será suficiente para impedir o cumprimento da determinação emanada da citada autoridade.

## 7. DIREITOS AUTORAIS E PROPRIEDADE INTELECTUAL

7.1. Os direitos autorais emergentes dos serviços prestados pela **CONTRATADA** à **CONTRATANTE**, por conta da prestação de serviços ora contratada, serão de titularidade da **CONTRATANTE**, devendo a **CONTRATADA** obter, dos próprios empregados ou de terceiros contratados ou subcontratados, tanto pessoas físicas como jurídicas, a cessão desses direitos exclusivamente à **CONTRATANTE**, ou a quem vier a sucedê-la, total ou parcialmente, a título universal e definitivo, de modo oneroso, a saber, mediante pagamento previsto na Cláusula 5 deste Contrato.

7.1.1. Todos os produtos e serviços desenvolvidos pela **CONTRATADA** em função do presente contrato incluindo, mas não limitando a, sistemas, códigos, dados, relatórios, metodologias, técnicas, projetos, material intelectual, informações gerenciais, *slogans*, materiais gráficos, toda e qualquer criação, ideias, frases, expressões, desenhos, ilustrações, marcas, obras audiovisuais e/ou personagens, materiais de apoio, tornar-se-ão de propriedade única e exclusiva da

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**CONTRATANTE**, que os utilizará da maneira que melhor lhe aprouver, para utilização a qualquer tempo, inclusive após o término deste Contrato;

7.1.2. **A CONTRATADA** reconhece expressamente neste ato que não faz jus a qualquer valor adicional ao já contratado, não tendo direito a receber qualquer percentual ou montante sobre a futura exploração e/ou eventual valorização dos itens mencionados na cláusula 7.1.1, que são de propriedade exclusiva da **CONTRATANTE;**

7.1.3. É de responsabilidade da **CONTRATADA** certificar-se que todos os seus funcionários, sócios ou prestadores de serviços em geral, que atuarem na prestação de serviços objeto do presente contrato, assinem termo individual de cessão de direitos, sendo também de obrigação da **CONTRATADA** entregar à **CONTRATANTE** cópia do documento preenchido e assinado com no mínimo 24 (vinte e quatro) horas de antecedência do início das atividades do colaborador.

7.2. Não é permitido à Contratada o uso, fora do escopo deste instrumento, do nome, da marca, da logomarca e/ou de qualquer outro elemento identificador da Contratante e/ou das empresas pertencentes ao mesmo grupo econômico, no Brasil e/ou no exterior, tampouco a divulgação de material audiovisual e/ou fotográfico não expressamente autorizados que contenham qualquer um desses elementos, ainda que tal uso e/ou divulgação sejam realizados de maneira amadora. A vedação constante desta Cláusula inclui a proibição de uso e/ou divulgação, pela Contratada, dos elementos identificadores da Contratante, como mencionado anteriormente, seus meios de produção, instalações, equipamentos, dados, sistemas e/ou know how, códigos, em qualquer forma de mídia e/ou rede social, bem como comunicação privada diversa da relacionada ao objeto contratado.

## 8. VIGÊNCIA E RESCISÃO

8.1. O Contrato vigorará por prazo indeterminado, a contar da data de sua assinatura, e poderá ser rescindido a qualquer tempo e por qualquer das Partes imotivadamente, desde que denunciado por escrito com antecedência mínima de 30 (trinta) dias contados do recebimento do comunicado pela Parte, sem incidência de ônus, encargos, multas ou indenizações em decorrência da rescisão.

8.2. Além das hipóteses previstas acima, o Contrato poderá ser rescindido, independentemente de denúncia, e sem ônus para a parte inocente nas seguintes hipóteses:

**i.** dissolução judicial de qualquer das Partes;

**ii.** ajuizamento de pedido de falência ou de recuperação judicial;

**iii.** quebra de dever de sigilo e confidencialidade;

**iv.** uso indevido pela **CONTRATADA** de qualquer dado, informação, equipamento, ou forma de manifestação da **CONTRATANTE** ou dos clientes desta;

**v.** se uma das Partes tiver cassada sua autorização de funcionamento;

**vi.** comprovação de imperícia, negligência, imprudência ou desídia na execução dos Serviços pela **CONTRATADA**;

**vii.** pelo descumprimento, por qualquer das Partes, das obrigações assumidas, desde que não sanadas as irregularidades depois de decorrido o prazo de 05 (cinco) dias, contados do recebimento, pela parte infratora, de notificação descrevendo tal infração;

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**viii.** interrupção dos serviços pela **CONTRATADA**, salvo por motivos de força maior devidamente comprovados, bem como caso fortuito;

**ix.** inobservância pela **CONTRATADA** das especificações ou recomendações dadas pela **CONTRATANTE**.

8.3. Sendo o Contrato rescindido unilateralmente pela Contratante, a Contratada fará jus ao recebimento do valor integral devido pela prestação dos Serviços até o mês do efetivo encerramento do contrato, computando-se o período de 30 (trinta) dias que suceder a notificação.

8.4. Sendo o Contrato rescindido unilateralmente pela **CONTRATADA**, a **CONTRATADA** fará jus ao recebimento do valor integral devido pela prestação dos Serviços até o mês do efetivo encerramento do contrato, computando-se o período de 30 (trinta) dias que suceder a notificação desde que haja prestação de serviços no período.

8.5. Ao término do Contrato, por qualquer motivo, a **CONTRATADA** deverá restituir imediatamente todos os materiais, documentos, fontes ou objetos eventualmente recebidos da **CONTRATANTE** ou desenvolvidos pela **CONTRATADA** que contenham informações prestadas na vigência do Contrato, sendo vedada sua reprodução.

8.6. A **CONTRATADA** informará previamente à **CONTRATANTE** sobre qualquer modificação realizada na sua estrutura societária, financeira e administrativa, sob pena de rescisão contratual.

## 9. CESSÃO DE DIREITOS

9.1 A **CONTRATADA** não poderá ceder ou transferir a terceiros, total ou parcialmente, as obrigações e direitos contraídos através deste Contrato, salvo quando previamente autorizada por escrito pela **CONTRATANTE**.

9.1.1. As obrigações assumidas pela Contratada, decorrentes da cessão, transferência ou subcontratação dos Serviços eventualmente autorizada pela Contratante, serão de sua única e exclusiva responsabilidade, continuando como única responsável perante a Contratante pelas obrigações assumidas neste Contrato, independentemente de quem as executar, sendo vedado o faturamento direto por qualquer subcontratada frente à Contratante.

9.1.2. Fica desde já ajustado que eventual cessão, transferência ou subcontratação não acarretará qualquer obrigação ou ônus adicional à Contratante, que permanecerá vinculada única e exclusivamente à Contratada, não se vinculando, em nenhuma hipótese, ao terceiro ao qual foi cedido, transferido ou subcontratado total ou parcialmente os Serviços.

9.2. É vedado à **CONTRATADA**, bem como aos seus respectivos sócios, dar em caução, cessão ou qualquer outra forma obrigacional, os direitos que detiver em função deste ajuste, sendo-lhe também proibido saque ou emissão de qualquer espécie de títulos de crédito, com fulcro no Contrato, bem como lhes dar circulação comercial.

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## 10. DISPOSIÇÕES GERAIS

10.1. A **CONTRATADA** declara e garante à **CONTRATANTE** que:

**i.** está devidamente habilitada, legal e tecnicamente, a firmar e executar o presente contrato e que o(s) signatário(s) está(ao) investido(s) de poderes para tanto; e,

**ii.** possui os registros e autorizações necessários à execução dos serviços contratados e a forma de realização, e responderá, perante a **CONTRATANTE**, integralmente, por todos os danos diretos e indiretos que eventualmente advierem da inexatidão das declarações e garantias arroladas neste item ou em qualquer outro dispositivo deste contrato ou de seu cumprimento.

10.2. Todas as comunicações e notificações entre as Partes serão feitas por escrito e entregues ou encaminhadas por carta protocolada, e-mail (correio eletrônico), ou qualquer outro meio de comunicação que permita a comprovação da entrega à Parte destinatária de referida comunicação, dirigidas as notificações para os seguintes endereços:

**a)** Para a **CONTRATANTE**:
A/C: IT. ART TECNOLOGIA LTDA
E-mail: nicolle@byinti.com
Telefone: (11) 98465-3236
Endereço: Alameda dos Maracatins,1435 Conj 1207/1208
Indianopolis – São Paulo – SP
CEP: 04089-015

**b)** Para a **CONTRATADA**:
A/C: RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA
E-mail: rilliansf@gmail.com
Telefone: (67) 99946-2784
Endereço: Rua Itiquira, 458
Santa Fé – Campo Grande - MS
CEP: 79.021-290

10.3. As Partes concordam que, na hipótese de uma disputa ou violação contratual, elas trabalharão em conjunto para, de boa-fé, resolver quaisquer impasses e, se necessário for, levarão o problema a níveis hierárquicos mais altos na busca de uma solução amigável. As Partes ainda lançarão mão de procedimentos alternativos para resolver o impasse durante um prazo de, no mínimo, 10 (dez) dias após a notificação de uma Parte à outra Parte, a respeito da disputa em questão, antes de instaurarem um litígio judicial. Este dispositivo, contudo, não se aplicará a disputas relacionadas a quebra de confidencialidade, compromisso de não concorrência, ou violação de propriedade intelectual, hipóteses nas quais as Partes estarão livres para se socorrerem imediatamente do Poder Judiciário.

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10.4. Na hipótese de qualquer cláusula ou disposição deste Contrato ser julgada nula, não-escrita ou abusiva, tal cláusula ou disposição não acarretará a nulidade deste Contrato como um todo.

10.5. Se qualquer das Partes deixar de exercer à época própria, direito decorrente do Contrato e tal ato não representará renúncia ou novação, devendo ser interpretado como mera liberalidade, podendo o direito ser exercido a qualquer tempo, a não ser que as Partes disponham expressamente o contrário.

10.6. Se qualquer das Partes tolerar, em benefício da outra, o descumprimento, no todo ou em parte, de qualquer das cláusulas ou condições deste Contrato e de seus anexos, tal tolerância jamais poderá ser havida como modificadora de quaisquer das disposições deste instrumento, que permanecerão inalteradas como se nenhuma tolerância houvesse ocorrido.

10.7. O presente Contrato e seus anexos contém tudo aquilo que foi convencionado pelas Partes com relação ao seu objeto e substitui todo e qualquer outro entendimento, escrito ou oral, com relação à matéria aqui tratada. Quaisquer pedidos feitos pela **CONTRATANTE** sob o presente acordo serão regidos pelos termos deste Contrato. Todos e quaisquer anexos aqui incluídos serão partes integrantes do Contrato e constituirão a única e expressa vontade das Partes nas matérias que regularem. Não obstante, a **CONTRATANTE** declara e reconhece estar assinando o presente instrumento somente em seu benefício e baseada apenas nos termos e condições aqui avençados, com exclusão expressa de quaisquer outras representações, promessas e/ou declarações.

10.8. O Contrato obriga as Partes e seus sucessores a qualquer título.

10.9. As Partes poderão alterar os termos e condições deste Contrato, mediante a assinatura, por seus representantes autorizados, dos necessários aditivos contratuais.

## 11. DISPOSIÇÕES ANTICORRUPÇÃO

11.1. A **CONTRATADA** se obriga, sob as penas previstas neste instrumento e na legislação aplicável, a observar e cumprir rigorosamente todas as leis cabíveis, incluindo, mas não se limitado à legislação brasileira anticorrupção (Lei nº 12.846/2013) e contra a lavagem de dinheiro (Lei nº 9.613/1998) e, ainda, o FCPA – Foreign Corrupt Practices Act, e normas anticorrupção dos Estados Unidos (em conjunto "Leis Anticorrupção"), assim como as normas e exigências constantes das políticas internas da **CONTRATANTE**.

11.2. A **CONTRATADA** declara e garante que não está envolvida ou irá se envolver, direta ou indiretamente, por seus representantes, administradores, diretores, conselheiros, sócios ou acionistas, assessores, consultores, subcontratados, parte relacionada, durante o cumprimento das obrigações previstas neste Contrato, em qualquer atividade ou prática que constitua uma infração aos termos das Leis Anticorrupção.

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11.3. A **CONTRATADA** declara e garante que não se encontra, assim como seus representantes, prepostos, administradores, diretores, conselheiros, sócios ou acionistas, assessores, consultores

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direta ou indiretamente (i) sob investigação em virtude de denúncias de suborno e/ou corrupção; (ii) no curso de um processo judicial e/ou administrativo ou foram condenados ou indiciados sob a acusação de corrupção ou suborno; (iii) listados em alguma entidade governamental, tampouco conhecidos ou suspeitos de práticas de terrorismo e/ou lavagem de dinheiro; (iv) sujeitos a restrições ou sanções econômicas e de negócios por qualquer entidade governamental; e (v) banidos ou impedidos, de acordo com qualquer lei que seja imposta ou fiscalizada por qualquer entidade governamental.

11.4. O não cumprimento por parte da **CONTRATADA** das Leis Anticorrupção será considerada uma infração grave a este Contrato e conferirá à **CONTRATANTE** o direito de, agindo de boa-fé, declarar rescindido imediatamente o presente Contrato, sem qualquer ônus de penalidade.

11.5. A **CONTRATADA** declara que, direta ou indiretamente, não ofereceu, prometeu, pagou ou autorizou o pagamento em dinheiro, deu ou concordou em dar presentes ou qualquer coisa de valor e, durante a vigência deste Contrato, não irá ofertar, prometer pagar ou autorizar o pagamento em dinheiro, dar ou concordar em dar presentes ou qualquer coisa de valor a qualquer pessoa ou entidade, pública ou privada, com o objetivo de beneficiar ilicitamente a **CONTRATANTE** e/ou seus negócios.

11.6. A **CONTRATADA** declara que, direta ou indiretamente, não irá receber, transferir, manter, usar ou esconder recursos que decorram de qualquer atividade ilícita, bem como não irá contratar como empregado ou de alguma forma manter relacionamento profissional com as pessoas físicas ou jurídicas envolvidas com atividades criminosas, em especial as Leis Anticorrupção, lavagem de dinheiro, tráfico de drogas e terrorismo.

11.7. A **CONTRATADA** declara e garante que (i) seus atuais representantes não são funcionários públicos ou empregados do governo; (ii) informará imediatamente, por escrito, qualquer nomeação de seus representantes como funcionários públicos ou empregados do governo; e (iii) eventual nomeação, nos termos do item "ii" anterior, resultará automaticamente na rescisão deste Contrato, sem a imposição de qualquer multa ou penalidade.

11.8. A **CONTRATADA** notificará prontamente, por escrito, a **CONTRATANTE** a respeito de qualquer suspeita ou violação do disposto nas Leis Anticorrupção e/ou na Política Anticorrupção, e ainda de participação em práticas de suborno ou corrupção, assim como o descumprimento de qualquer declaração prevista nesta Cláusula.

## 12. FORO

12.1. As Partes elegem o Foro da Comarca de São Paulo, com renúncia expressa a qualquer outro, por mais privilegiado que seja ou venha a ser, para dirimir qualquer dúvida ou controvérsia decorrente da interpretação ou execução do Contrato, que será regido e interpretado de acordo com as Leis vigentes na República Federativa do Brasil.

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## 13. LEGITIMIDADE

13.1. As Partes que assinam o presente Contrato declaram que possuem plena capacidade civil para tanto, sem qualquer impedimento legal, bem como estão imbuídas de plenos poderes e devidamente autorizadas por todos os respectivos atos societários. A assinatura deste Instrumento formaliza assim o ora contratado e torna obrigação legal, válida e vinculada das Partes, exequível de acordo com os seus termos e legislação pertinente, prevalecendo sobre quaisquer entendimentos ou documentos firmados anteriormente.

E por estarem, assim, **CONTRATANTE** e **CONTRATADA**, de pleno acordo com o disposto neste instrumento particular, rubricam-no em todas as vias e, ao final, assinam-no, juntamente com 2 (duas) testemunhas, em 2 (duas) vias de igual teor e forma, para os fins de direito.

São Paulo, 03 de agosto de 2020

DocuSigned by:
Nicolle Stad
35A4FAC9FCF8479...

IT. ART TECNOLOGIA LTDA
CONTRATANTE

DocuSigned by:
Rillian Diello
F119909758F5491...

RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA
CONTRATADA

**Testemunhas:**

DocuSigned by:
Júlia Carlos
061F625DEDD443F...

Nome: Júlia Carlos
CPF/MF: 039.380.664-23

DocuSigned by:
William Martins
B08DED3C95574DF...

Nome: William Martins
CPF/MF: 37080045827

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March 27, 2024

PERSONAL AND CONFIDENTIAL

Rillian Diello Lucas Pires
+5567999462784
rilliansf@gmail.com

Dear Rillian:

We are pleased to offer you a contract position with Swoogo (the "Company") as an **Senior Software Engineer 1** pursuant to the terms and conditions provided in this agreement ("Agreement"). This Agreement confirms our understanding and agreement regarding your relationship with Swoogo, and completely supersedes and replaces any existing or previous, oral or written, understandings or agreements, express or implied, you have had with Swoogo regarding the subject matter hereof.

1. **Position.** Your initial title will be **Senior Software Engineer 1** and you will initially report to Senior Engineering Manager, Jessica Fields This is a full-time contract position starting on Monday, April 15th, 2024. While you render services to the Company, you will not engage in any other employment, consulting or other business activity (whether full time or part-time) that would create a conflict of interest with the Company. By signing this agreement, you confirm to the Company that you have no contractual commitments or other legal obligations that would prohibit you from performing your duties for the Company.

2. **Base Salary.** The Company will pay you a starting gross salary at the rate of USD $90,000 per year, payable in accordance with the Company's standard payroll schedule. This salary will be subject to adjustment pursuant to the Company's employee compensation policies in effect from time to time.

3. **Incentive Compensation.** In addition to your base salary, you will be eligible to earn USD $7,200 of annual incentive compensation pursuant to the terms and conditions set forth in the attached Exhibit A. The determinations of the company with respect to your incentive compensation shall be final and binding.

4. **Equity Compensation.** You shall be granted an option, under the Company's Stock Option Plan (the "Plan"), and subject to the final approval of the Board of Directors, to purchase 3,000 shares of the common stock of the Company, subject to the terms of the Plan and other such terms as are set forth in the applicable option agreement. Your options will vest over a period of four years and be subject to a one year cliff.

5. **Employment Relationship.** This Agreement contemplates a contractor relationship between

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Swoogo and yourself (or a business entity you identify that is mutually acceptable). Your engagement with the Company will be "at will," meaning that either you or the Company may terminate your contract at any time and for any reason, with or without cause. Any contrary representations that may have been made to you are superseded by this letter agreement. This is the full and complete agreement between you and the Company on this term. Although your job duties, title, compensation and benefits, as well as the Company's personnel policies and procedures, may change from time to time, the "at will" nature of your employment may only be changed in an express written agreement signed by you and a duly authorized officer of the Company (other than you).

This offer is contingent upon you timely providing Company consent to a background check that produces results satisfactory to Company, and arranging for satisfactory reference calls from prior supervisors.

Rillian, I'm excited to work together and build something meaningful at Swoogo. I hope that you will accept this offer to join us. You may indicate your agreement with these terms and acceptance of this offer by signing and dating this letter and returning it to me.

This offer, if not accepted, will expire at 5pm Brazil Time Zone on March 27, 2024.

Sincerely,

DocuSigned by:
Chris Sykes
4469BC833EC64D7...

Chris Sykes
CEO
Swoogo

**I have read and accepted this employment offer.**

Signature: _____

Dated: _____

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## Exhibit A: Incentive Compensation Terms

1. **Compensation Structure.** The target value of your annual incentive compensation is USD $7,200 and will be prorated based on your start date. Your incentive compensation is composed of two elements:

    a. **Company bonus** based on Swoogo achieving its annual ARR target, as determined each year by the Board of Directors. The target value of this bonus is USD $3,600 annually.

    b. **Individual bonus** based on an assessment of your individual performance throughout the year, as determined by your direct manager. The target value of this bonus is USD $3,600 annually.

2. **Amendment and Termination of Incentive Compensation Terms.** The determinations of the Company with respect to your incentive compensation shall be final and binding. The Company reserves the right to modify, rescind or terminate the terms of your incentive compensation in whole or in part, at its sole discretion, and nothing in this Exhibit A limits this right in any way or creates any rights of future participation in these incentive compensation terms, or constitutes any guarantee of compensation or employment with the Company. Any modification to these incentive compensation terms may only be made in a writing signed by the Company's Chief Executive Officer and such modification shall be effective ten (10) days following written notification to the employee. This Exhibit A contains the entire understanding between the employee and the Company concerning the terms and conditions described in this Exhibit A. Any prior understanding, representations or agreements, whether oral or written, are superseded and replaced by this Exhibit A.

# INTI ART

June 29th, 2026

To Whom It May Concern,

This letter is to certify that Mr. RILLIAN DIELLO LUCAS PIRES worked as a full-time Full Stack Software Developer at INTI Art. company from August, 2020 to November, 2021. In this position, he has demonstrated consistent career progression, showcasing increasing levels of responsibility and expertise in his field. His job duties as the Full Stack Software Developer included the following:

- High-Profile Project Delivery: Spearheaded the development and deployment of high-traffic platforms for prestigious clients, including MASP, Lollapalooza, and Osesp, ensuring scalable and reliable user experiences.
- Technical Leadership & Full-Stack Development: Provided architectural guidance and hands-on development using PHP (Yii2), Node.js, Vue.js, and React to deliver end-to-end software solutions.
- Database Management & Optimization: Orchestrated database support, maintenance, and optimization using MySQL, ensuring data integrity and high availability for mission-critical applications.
- Cloud Infrastructure & DevOps: Streamlined development workflows and system reliability by leveraging Docker for containerization and managing deployments within AWS and MS DevOps environments.
- Strategic Planning & Client Relations: Led technical discovery meetings and provided precise effort estimations to align project roadmaps with client expectations and Scrum methodologies.
- Continuous Improvement & Maintenance: Enhanced system stability through proactive bug resolution and ongoing performance tuning, consistently delivering projects on time and within budget.

Please do not hesitate to contact me at mariocamaraneto@gmail.com or +55 17 98199-5771 should you have any further questions regarding Mr. Pires's employment or qualifications.

MCN

Sincerely,

Mario Camara Neto
Current: CTO, Total Acesso

29/06/2026

May 13th, 2026

To Whom It May Concern,

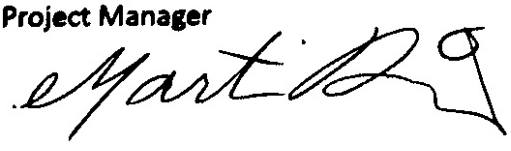
This letter is to certify that Mr. RILLIAN DIELLO LUCAS PIRES worked as a full-time Full Stack Software Developer at Stronger U Nutrition company from April, 2023 to February, 2025. In this position, he has demonstrated consistent career progression, showcasing increasing levels of responsibility and expertise in his field. His job duties as the Full Stack Software Developer included the following:

- Scalable Health-Tech Solutions: Spearheaded the development of a high-performance interaction and monitoring platform for StrongeRu, enabling seamless real-time communication and data tracking between professional coaches and global clients.
- System Architecture & Asynchronous Processing: Engineered a major architectural migration from synchronous to asynchronous processing using Laravel and Redis. This strategic shift eliminated system bottlenecks, drastically reducing response times and enhancing overall platform scalability.
- Full-Stack Development & API Design: Delivered end-to-end software solutions leveraging PHP (Symfony/Laravel) for robust backend services and Angular for high-fidelity, responsive user interfaces, focusing on complex API integrations.
- Database Performance & Integrity: Optimized MySQL database schemas to manage intensive client-coach data flow, ensuring high availability and data consistency for mission-critical monitoring features.
- Technical Leadership & Efficiency: Led the optimization of backend actions, providing technical guidance on best practices for background job processing and system.
- Performance Tuning & Maintenance: Consistently improved application responsiveness through proactive performance tuning and rigorous testing, ensuring a robust user experience for a health-conscious digital community.

Please do not hesitate to contact me at (martindayz00@gmail.com) or 951-956-6250 should you have further questions regarding Mr. RILLIAN DIELLO LUCAS PIRES's employment or qualifications.

Sincerely,

Martin Diaz
Linkedin: https://www.linkedin.com/in/martin-diaz84/
Project Manager



swoogo

Swoogo
1925 Century Park East, Suite 1700
Los Angeles, California 90067
United States
people@swoogo.com
https://swoogo.events/

August 10, 2026

To Whom It May Concern,

This letter is to certify that Mr. RILLIAN DIELLO LUCAS PIRES has worked as a full-time Senior Full Stack Software Engineer at Swoogo, LLC since April 15, 2024. In this position, he has demonstrated increasing levels of responsibility and expertise in his field.

His job duties as a Senior Full Stack Software Engineer include the following:

- Monolith Application Development & Maintenance: Architecting, developing, and maintaining complex enterprise-grade features within a robust monolithic application built on PHP and the Yii Framework.
- Database Administration & Optimization: Managing, maintaining, and optimizing relational databases using PostgreSQL to ensure high performance, data integrity, and efficient query execution.
- Third-Party Enterprise Integrations: Designing, implementing, and maintaining critical integrations with major CRM and marketing automation platforms, including Salesforce, HubSpot, and Marketo.
- Code Review & Quality Assurance: Leading rigorous code review processes to maintain high standards of code quality, performance, and security, alongside executing QA routines and testing strategies.
- Cross-Functional & Support Collaboration: Collaborating closely with product masters, engineering teams, and the customer support team to translate business requirements into scalable solutions and directly resolve complex, high-tier technical issues for users.

Please contact me at rcowan@swoogo.com should you have further questions regarding Mr. RILLIAN DIELLO LUCAS PIRES' employment or qualifications.

Sincerely,

Ryan Cowan
Senior Manager Software Engineering
Swoogo
rcowan@swoogo.com
https://www.linkedin.com/in/ryancowan/

# Before TI LTDA

April 06th, 2026

To Whom It May Concern,

This letter is to certify that Mr. RILLIAN DIELLO LUCAS PIRES worked as a full-time Full Stack Software Developer at BEFORE TI Ltda. company from November 06, 2017 to December 06, 2019. In this position, he has demonstrated consistent career progression, showcasing increasing levels of responsibility and expertise in his field. His job duties as the Full Stack Software Developer included the following:

- Leading Full Lifecycle Development: Directed the design, development, and deployment of scalable web applications for major telecommunications clients, including Vivo.
- Technical Architecture & Leadership: Provided technical guidance and leadership in the implementation of robust solutions using PHP (Laravel), Node.js, Vue.js.
- System Optimization & Maintenance: Improved business objectives by maintaining and optimizing relational and NoSQL databases (MySQL and MongoDB) to ensure data integrity and high performance.
- Operational Efficiency: Enhanced system security and effectiveness by implementing containerized environments with Docker and managing cloud-based on AWS.
- Strategic Planning & Reporting: Led technical meetings and prepared effort estimations to align project development with client requirements and long-term business goals.
- Performance Engineering: Managed asynchronous workflows and caching strategies using Redis to deliver high-performance, reliable systems.

Please do not hesitate to contact me at (guilherme.rebello91@gmail.com) or +55 67 99944-0305 should you have further questions regarding Mr. RILLIAN DIELLO LUCAS PIRES's employment or qualifications.

Sincerely,

Guilherme Benites
CURRENT: Full Stack Developer @ Curotec
Project Manager

Contabilizei.

**REVENUE STATEMENT**

CONTABILIZEI CONTABILIDADE LTDA., registered under CNPJ number 34.346.830/0001-97, located at Rua Doutor Pedrosa, 151, 16th floor, Centro - Curitiba/Paraná, hereby declares, jointly with Rillian Diello Lucas Pires, legal representative of **RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**, registered under the CNPJ number 38.299.888/0001-88, located at RUA ITIQUIRA 458, Campo Grande, that the company generated revenue between 01/2023 and 12/2023, as detailed below:

| **GROSS REVENUE** | |
|---|---|
| **MONTH** | **REVENUE (R$)** |
| January/2023 | R$ 28,465.25 |
| February/2023 | R$ 0.00 |
| March/2023 | R$ 27,909.20 |
| April/2023 | R$ 27,678.17 |
| May/2023 | R$ 28,350.85 |
| June/2023 | R$ 22,991.04 |
| July/2023 | R$ 18,704.97 |
| August/2023 | R$ 21,743.58 |
| September/2023 | R$ 20,030.40 |
| October/2023 | R$ 19,579.03 |
| November/2023 | R$ 19,348.53 |
| December/2023 | R$ 19,286.07 |
| **Total** | **R$ 254,087.09** |

Curitiba, April 22, 2026.

**Contabilizei Contabilidade Ltda**
CNPJ 34.346.830/0001-97
**Beatris Ribeiro**
CRC PR-075467/O-5
CPF 097.822.239-30

*CRC PR: Regional Accounting Council of Paraná

**RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**
Rillian Diello Lucas Pires
CPF 385.898.458-26

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 4, 2026.

Contabilizei.

## DECLARAÇÃO DE FATURAMENTO

A CONTABILIZEI CONTABILIDADE LTDA., inscrita no CNPJ sob número 34.346.830/0001-97, situada à Rua Doutor Pedrosa, 151, 16 andar, Centro - Curitiba/PR, declara juntamente com o Rillian Diello Lucas Pires, responsável legal da entidade **RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**, inscrita no CNPJ sob número 38.299.888/0001-88, situada à RUA ITIQUIRA 458 , Campo Grande, obteve faturamento entre 01/2023 e 12/2023, conforme abaixo relacionado:

| FATURAMENTO | |
|---|---|
| **MÊS** | **RECEITA (R$)** |
| janeiro/2023 | R$ 28.465,25 |
| fevereiro/2023 | R$ 0,00 |
| março/2023 | R$ 27.909,20 |
| abril/2023 | R$ 27.678,17 |
| maio/2023 | R$ 28.350,85 |
| junho/2023 | R$ 22.991,04 |
| julho/2023 | R$ 18.704,97 |
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| **Total** | **R$ 254.087,09** |

Curitiba, 22 de abril de 2026.

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| **GROSS REVENUE** | |
|---|---|
| **MONTH** | **REVENUE (R$)** |
| January/2024 | R$ 19,605.17 |
| February/2024 | R$ 19,672.10 |
| March/2024 | R$ 19,838.83 |
| April/2024 | R$ 20,904.97 |
| May/2024 | R$ 22,365.83 |
| June/2024 | R$ 42,753.17 |
| July/2024 | R$ 64,162.93 |
| August/2024 | R$ 64,083.78 |
| September/2024 | R$ 41,573.06 |
| October/2024 | R$ 22,446.76 |
| November/2024 | R$ 86,835.98 |
| December/2024 | R$ 69,938.88 |
| **Total** | **R$ 494,181.46** |

Curitiba, April 22, 2026.

**Contabilizei Contabilidade Ltda**
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Curitiba, 22 de abril de 2026.

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| **GROSS REVENUE** | |
|---|---|
| **MONTH** | **REVENUE (R$)** |
| January/2025 | R$ 90,100.41 |
| February/2025 | R$ 66,384.68 |
| March/2025 | R$ 22,774.28 |
| April/2025 | R$ 53,023.68 |
| May/2025 | R$ 34,061.17 |
| June/2025 | R$ 42,272.57 |
| July/2025 | R$ 40,712.42 |
| August/2025 | R$ 53,650.79 |
| September/2025 | R$ 39,889.50 |
| October/2025 | R$ 40,387.50 |
| November/2025 | R$ 79,712.14 |
| December/2025 | R$ 82,310.06 |
| **Total** | **R$ 645,279.20** |

Curitiba, April 22, 2026.

Beatris Ribeiro

**Contabilizei Contabilidade Ltda**
CNPJ 34.346.830/0001-97
**Beatris Ribeiro**
CRC PR-075467/O-5
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Rillian Diello Lucas Pires

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| **Total** | **R$ 645.279,20** |

Curitiba, 22 de abril de 2026.

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CNPJ 34.346.830/0001-97
**Beatris Ribeiro**
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CPF 097.822.239-30

**RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA**
Rillian Diello Lucas Pires
CPF 385.898.458-26

**NAME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **INCOME TAX - INDIVIDUAL**
**ANNUAL ADJUSTMENT DECLARATION** **TAX YEAR 2022** **CALENDAR YEAR 2021**

## TAXPAYER IDENTIFICATION

| | | | |
|---|---|---|---|
| Name: | RILLIAN DIELLO LUCAS PIRES | CPF: | 385.898.458-26 |
| Date of Birth: | 12/27/1990 | Voter ID: | 373000750183 |

Do you have a spouse or partner? No

Were there any changes to the registration details? No

Is one of the declarants a person with a serious illness or a physical or mental disability? No

| | | | |
|---|---|---|---|
| Address: | RUA TREZE DE JUNHO | Number: | 3015 |
| Unit: | HOUSE | Neighborhood/District: | MONTE CASTELO |
| City: | CAMPO GRANDE | State: | MS |
| ZIP Code: | 79010-200 | Area Code/Telephone: | |
| E-mail: | RILLIANSF@GMAIL.COM | Area Code/Mobile: | (67) 99946-2784 |

Occupation Type: 12 - Owner of a company or sole proprietorship or employer-taxpayer

Main Occupation: 212 - Systems analyst, software developer, network and database administrator, and other computer specialists (except technicians)

Type of Declaration: Original Annual Adjustment Declaration

Receipt Number of the last declaration filed in the 2021 tax year: 39.69.49.85.31-54

## DEPENDENTS

No Information

## ALIMONY

No Information

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER

(Values in Reais)

| NAME OF THE PAYING SOURCE | INCOME RECEIVED FROM LEGAL ENTITY | OFFICIAL SOCIAL SECURITY CONTRIBUTION | WITHHELD TAX | 13th SALARY | INCOME TAX WITHHELD ON 13th SALARY |
|---|---|---|---|---|---|
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA<br>CNPJ/CPF: 38.299.888/0001-88 | 26.774,67 | 2.945,21 | 212,33 | 0,00 | 0,00 |
| CI&T SOFTWARE S.A.<br>CNPJ/CPF: 00.609.634/0001-46 | 9.981,00 | 627,57 | 1.702,83 | 1.698,49 | 0,00 |
| **TOTAL** | 36.755,67 | 3.572,78 | 1.915,16 | 1.698,49 | 0,00 |

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY DEPENDENTS

No Information

**TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY THE TAXPAYER** (Values in Reais)

**NIT/PIS/PASEP*:** 165.35941.93-1

INCOMES

| | NON-SALARIED WORK | RENTALS | ALIMONY AND OTHERS | ABROAD |
|---|---|---|---|---|
| JAN | 0,00 | 0,00 | 0,00 | 0,00 |
| FEB | 0,00 | 0,00 | 0,00 | 1,42 |
| MAR | 0,00 | 0,00 | 0,00 | 9,25 |
| APR | 0,00 | 0,00 | 0,00 | 0,00 |
| MAY | 0,00 | 0,00 | 0,00 | 1,63 |
| JUN | 0,00 | 0,00 | 0,00 | 3,74 |
| JUL | 0,00 | 0,00 | 0,00 | 6,92 |
| AUG | 0,00 | 0,00 | 0,00 | 1,48 |
| SEP | 0,00 | 0,00 | 0,00 | 3,73 |
| OCT | 0,00 | 0,00 | 0,00 | 6,99 |
| NOV | 0,00 | 0,00 | 0,00 | 1,58 |
| DEC | 0,00 | 0,00 | 0,00 | 19,24 |
| TOTAL | 0,00 | 0,00 | 0,00 | 55,98 |

DEDUCTIONS — CARNÊ-LEÃO*

| | OFFICIAL PENSION | NUMBER OF DEPENDENTS | ALIMONY | CASH BOOK | PAID DARF* CODE 0190 |
|---|---|---|---|---|---|
| JAN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| FEB | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| APR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAY | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUL | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| AUG | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| SEP | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| OCT | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| NOV | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| DEC | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| TOTAL | 0,00 | | 0,00 | 0,00 | 0,00 |

* NIT - Worker's Identification Number

* PIS - Program for Social Integration

* PASEP - Public Servant's Property Formation Program

* CARNÊ-LEÃO - (Income tax that must be paid monthly, mandatorily, by individuals residing in Brazil who receive income from another individual or from abroad)

* DARF - Tax Payment Document

## TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY DEPENDENTS

No Information

## EXEMPT AND NON-TAXABLE INCOME

(Values in Reais)

09. Profits and received dividends — 2.819,57

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 04.128.563/0001-10 | AES TIETE ENERGIA | 10,56 |
| Taxpayer | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA INVESTIMENTOS | 98,08 |
| Taxpayer | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE | 297,39 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S/A | 29,76 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROBRAS | 1.369,52 |
| Taxpayer | 385.898.458-26 | 60.840.055/0001-31 | FLEURY | 164,61 |
| Taxpayer | 385.898.458-26 | 67.620.377/0001-14 | MINERVA S/A | 262,00 |
| Taxpayer | 385.898.458-26 | 03.983.431/0001-03 | EDP-ENERGIAS DO BRASIL SA | 238,52 |
| Taxpayer | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S/A | 51,35 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 65,52 |
| Taxpayer | 385.898.458-26 | 33.592.510/0001-54 | VALE3 - VALE S.A. | 232,26 |

12. Income from savings accounts, mortgage bonds, agribusiness, and real estate letters of credit (LCA and LCI), and certificates of agribusiness and real estate receivables (CRA and CRI) — 233,00

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 233,00 |

13. Income of a partner or owner of a microenterprise or small business opting for Simples Nacional, except for pro labore, rents, and services rendered — 64.658,63

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 64.658,63 |

26. Other — 3.209,15

| Beneficiary | CPF | CPF/CNPJ of the Paying Source | Name of the Paying Source | Description | Amount |
|---|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.609.634/0001-46 | CI&T SOFTWARE S.A. | PER DIEMS AND ALLOWANCE | 1.650,00 |
| Taxpayer | 385.898.458-26 | 11.026.627/0001-38 | FUNDO DE INVESTIMENTO IMOBILIARIO FII BTG PACTUAL FUNDO DE F | BCFF11 – REAL ESTATE INV. FUND-FII BTG PACTUAL FUNDO DE FUNDOS | 344,46 |
| Taxpayer | 385.898.458-26 | 11.728.688/0001-47 | HGLG11 - CSHG LOGISTICA FDO INV IMOB - FII | INCOME: HGLG11 | 610,58 |
| Taxpayer | 385.898.458-26 | 28.757.546/0001-00 | FII XP MALLS | INCOME: XPML11 - XP MALLS REAL ESTATE INV. FUND | 181,98 |

| | | | | | |
|---|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 97.521.225/0001-25 | FII MAXI RENDA | INCOME: MXRF13 - MAXI RENDA REAL ESTATE INV. FUND - FII | 194,24 |
| Taxpayer | 385.898.458-26 | 12.005.956/0001-65 | KINEA RENDA IMOBILIARIA-FII - KNRI11 | INCOME: KINEA REAL ESTATE INV. FUND - FII | 179,69 |
| Taxpayer | 385.898.458-26 | 32.784.898/0001-22 | HGFF11 - CSHG IMOB. FOF - FDO INV. IMOB. - FII | INCOME: CSHG IMOB. FOF – REAL ESTATE INV. FUND – FII | 48,20 |

**TOTAL** 70.920,35

## INCOME SUBJECT TO EXCLUSIVE/DEFINITIVE TAXATION

(Values in Reais)

01. 13th salary 1.698,49

06. Income from financial investments 400,39

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 1,14 |
| Taxpayer | 385.898.458-26 | 18.236.120/0001-58 | NU PAGAMENTOS SA | 0,01 |
| Taxpayer | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA S.A - SOCIEDADE DE CREDITO, FINANCIAMENTO E IN | 24,82 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CCTVM S/A | 172,68 |
| Taxpayer | 385.898.458-26 | 22.896.431/0001-10 | PICPAY INSTITUICAO DE PAGAMENTO S.A | 0,47 |
| Taxpayer | 385.898.458-26 | 22.896.431/0001-10 | PICPAY INSTITUICAO DE PAGAMENTO S.A | 0,45 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CCTVM S/A | 30,20 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CCTVM S/A | 145,80 |
| Taxpayer | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA S.A - SOCIEDADE DE CREDITO, FINANCIAMENTO E IN | 24,82 |

10. Interest on Equity 2.168,59

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 281,68 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 136,89 |
| Taxpayer | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 380,47 |
| Taxpayer | 385.898.458-26 | 03.983.431/0001-03 | EDP-ENERGIAS DO BRASIL SA | 93,92 |
| Taxpayer | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S/A | 107,91 |
| Taxpayer | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S/A | 71,44 |
| Taxpayer | 385.898.458-26 | 04.128.563/0001-10 | AES TIETE ENERGIA | 36,49 |
| Taxpayer | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE | 41,46 |
| Taxpayer | 385.898.458-26 | 67.620.377/0001-14 | MINERVA S/A | 2,90 |
| Taxpayer | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S/A | 137,88 |
| Taxpayer | 385.898.458-26 | 18.945.670/0001-46 | BANCO INTER S.A. | 19,84 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S/A | 8,61 |
| Taxpayer | 385.898.458-26 | 03.983.431/0001-03 | EDP-ENERGIAS DO BRASIL SA | 27,66 |

| | | | | |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 281,68 |
| Taxpayer | 385.898.458-26 | 76.484.013/0001-45 | CIA DE SANEAMENTO DO PARANA - SANEPAR | 17,50 |
| Taxpayer | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S/A | 107,91 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 179,67 |
| Taxpayer | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 234,68 |
| **TOTAL** | | | | 4.267,47 |

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER (TAX WITH SUSPENDED EXIGIBILITY)

No Information

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE DEPENDENTS (TAX WITH SUSPENDED EXIGIBILITY)

No Information

## TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE TAXPAYER

No Information

## TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE DEPENDENTS

No Information

## TAX PAID / WITHHELD

(Values in Reais)

| | |
|---|---|
| 01. Complementary Tax: | 0,00 |
| 02. Tax paid abroad by the taxpayer and dependents | 0,00 |
| Tax due with income abroad | 0,00 |
| Tax due without income abroad | 0,00 |
| Difference to be considered for tax calculation (legal limit) | 0,00 |
| 03. Income Tax Withheld at Source (Law 11.033/2004): | 0,00 |
| 04. Income Tax Withheld at Source for the Taxpayer | 1.915,16 |
| 05. Income Tax Withheld at Source for the Dependents | 0,00 |
| 06. Taxpayer's Carnê-Leão | 0,00 |
| 07. Dependent's Carnê-Leão | 0,00 |

## PAYMENTS MADE

(Values in Reais)

| CODE | BENEFICIARY NAME | BENEFICIARY CPF/CNPJ | AMOUNT PAID | NON-DEDUCTABLE PORTION |
|---|---|---|---|---|
| Taxpayer | | | | |
| 26 | QUALICORP ADMINISTRADORA DE BENEFICIOS S.A. | 07.658.098/0001-18 | 475,34 | 0,00 |

Description:

## DONATIONS MADE

No Information

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 03 | 01 | GRND3 - GRENDENE S.A. XP INVESTIMENTOS CCTVM S/A 5402161 GRND3 BRGRNDACNOR3 - 164 ON BANCO BRADESCO S/A 400 - - R$ 8,65 R$ 3.460,00 | 2.832,00 | 3.460,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 89.850.341/0001-60 | | | | |
| 03 | 01 | FLRY3 - FLEURY S.A. CLEAR BROKER - GRUPO XP 1139910 FLRY3 BRFLRYACNOR5 - 131 ON BANCO BRADESCO S/A 140 140 - - R$ 17,99 R$ 2.518,60 FLRY3 - FLEURY S.A. XP INVESTIMENTOS CCTVM S/A 5402161 FLRY3 BRFLRYACNOR5 - 131 ON BANCO BRADESCO S/A 241 241 - - R$ 17,99 R$ 4.335,59 | 7.812,18 | 6.854,19 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 60.840.055/0001-31 | | | | |
| 03 | 01 | AESB3 - AES BRASIL ENERGIA S.A. CLEAR BROKER - GRUPO XP 1139910 AESB3 BRAESBACNOR7 - 102 ON ITAU CV S/A 300 300 - - R$ 11,07 R$ 3.321,00 AESB3 - AES BRASIL ENERGIA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 AESB3 BRAESBACNOR7 - 102 ON ITAU CV S/A 263 263 - - R$ 11,07 R$ 2.911,41 | 7.306,56 | 7.380,55 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 04.128.563/0001-10 | | | | |
| 03 | 01 | BIDI4 - BANCO INTER S.A. CLEAR BROKER - GRUPO XP 1139910 BIDI4 BRBIDIACNPR0 - 114 PN BANCO BRADESCO S/A 473 473 - - R$ 9,54 R$ 4.512,42 BIDI4 - BANCO INTER S.A. XP INVESTIMENTOS CCTVM S/A 5402161 BIDI4 BRBIDIACNPR0 - 114 PN BANCO BRADESCO S/A 732 732 - - R$ 9,54 R$ 6.983,28 | 15.265,60 | 13.924,78 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 18.945.670/0001-46 | | | | |
| 03 | 01 | KLBN4 - KLABIN S.A. CLEAR CORRETORA - GRUPO XP 1139910 KLBN4 BRKLBNACNPR9 - 157 PN ITAU CV S/A 562 562 - - R$ 5,00 R$ 2.810,00 | 2.084,00 | 2.810,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 89.637.490/0001-45 | | | | |
| 03 | 01 | VIIA3 - VIA S.A CLEAR BROKER - GRUPO XP 1139910 VIIA3 BRVIIAACNOR7 - 100 ON ITAU CV S/A 60 60 - - R$ 5,25 R$ 315,00 | 808,00 | 315,00 |
| 105 - Brazil | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| | | Asset or right belonging to: Taxpayer CPF: 385.898.458-26 CNPJ: 33.041.260/0652-90 | | |
| 03 | 01 | BEEF3 - MINERVA S.A. CLEAR BROKER - GRUPO XP 1139910 BEEF3 BRBEEFACNOR6 - 112 ON ITAU CV S/A 330 330 - - R$ 10,60 R$ 3.498,00 | 759,20 | 3.498,00 |
| | | 105 - Brazil Asset or right belonging to: Taxpayer CPF: 385.898.458-26 CNPJ: 67.620.377/0001-14 | | |
| 03 | 01 | ENBR3 - EDP - ENERGIAS DO BRASIL S.A. CLEAR BROKER - GRUPO XP 1139910 ENBR3 BRENBRACNOR2 - 131 ON ITAU CV S/A 140 140 - - R$ 20,94 R$ 2.931,60 | 2.239,20 | 2.931,60 |
| | | 105 - Brazil Asset or right belonging to: Taxpayer CPF: 385.898.458-26 CNPJ: 03.983.431/0001-03 | | |
| 03 | 01 | SAPR4 - CIA SANEAMENTO DO PARANA - SANEPAR CLEAR BROKER - GRUPO XP 1139910 SAPR4 BRSAPRACNPR6 - 152 PN BANCO BRADESCO S/A 299 299 - - R$ 3,87 R$ 1.157,13 | 1.050,60 | 1.157,13 |
| | | 105 - Brazil Asset or right belonging to: Taxpayer CPF: 385.898.458-26 CNPJ: 76.484.013/0001-45 | | |
| 03 | 01 | ABEV3 - AMBEV S.A. CLEAR BROKER - GRUPO XP 1139910 ABEV3 BRABEVACNOR1 - 125 ON BANCO BRADESCO S/A 300 300 - - R$ 15,42 R$ 4.626,00 | 3.114,00 | 4.626,00 |
| | | 105 - Brazil Asset or right belonging to: Taxpayer CPF: 385.898.458-26 CNPJ: 07.526.557/0001-00 | | |
| 03 | 01 | BBDC4 - BCO BRADESCO S.A. CLEAR BROKER - GRUPO XP 1139910 BBDC4 BRBBDCACNPR8 - 735 PN BANCO BRADESCO S/A 303 303 - - R$ 19,21 R$ 5.820,63 | 3.192,80 | 5.820,63 |
| | | 105 - Brazil Asset or right belonging to: Taxpayer CPF: 385.898.458-26 CNPJ: 60.746.948/0001-12 | | |
| 03 | 01 | 03-01 STOCK AAPL APPLE INC. 1.32 $169.84 R$ 5,3706 R$ 912,14 | 912,14 | 912,14 |
| | | 249 - United States Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK AMZN AMAZON.COM INC. 0.1674 $ 553.25 R$ 5,2710 R$ 2.916,18<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | 871,68 | 2.916,18 |
| 03 | 01 | 03-01 STOCK BRKB BERKSHIRE HATHAWAY INC DEL CL B 1.3566 $ 301.00 R$ 5,3045 R$ 1.596,65<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | 805,64 | 1.596,65 |
| 03 | 01 | 03-01 STOCK MSFT MICROSOFT CORP COM 1.535 $ 370.85 R$ 5,3309 R$ 1.976,96<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | 1.045,90 | 1.976,96 |
| 03 | 01 | 03-01 STOCK TSLA TESLA INC COM 0.6495 $ 344.24 R$ 5,3732 R$ 1.849,67<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | 872,76 | 1.849,67 |
| 03 | 01 | ITSA4 - ITAUSA S.A. CLEAR BROKER - GRUPO XP 1139910 ITSA4 BRITSAACNPR7 - 416 PN ITAU CV S/A 951,3 951,3 - - R$ 8,93 R$ 8.495,11 ITSA4 - ITAUSA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 ITSA4 BRITSAACNPR7 - 416 PN ITAU CV S/A 630 630 - - R$ 8,93 R$ 5.625,90<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 61.532.644/0001-15 | 11.341,00 | 14.121,01 |
| 03 | 01 | PETR4 - PETROLEO BRASILEIRO S.A. PETROBRAS CLEAR BROKER - GRUPO XP 1139910 PETR4 BRPETRACNPR6 - 201 PN BANCO BRADESCO S/A 320 320 - - R$ 28,45 R$ 9.104,00<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 33.000.167/0001-01 | 6.306,60 | 9.104,00 |
| 03 | 01 | VALE3 - VALE S.A. CLEAR BROKER - GRUPO XP 1139910 VALE3 BRVALEACNOR0 - 203 ON BANCO BRADESCO S/A 60 60 - - R$ 77,96 R$ 4.677,60<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 33.592.510/0001-54 | 0,00 | 4.677,60 |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 03 | 01 | SHOW3 - T4F ENTRETENIMENTO S.A. XP INVESTIMENTOS CCTVM S/A 5402161 SHOW3 BRSHOWACNOR7 - 105 ON BANCO BRADESCO S/A 100 100 - - R$ 3,73 R$ 373,00<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 02.860.694/0001-62 | 0,00 | 373,00 |
| 03 | 01 | 03-01 STOCK DIS DISNEY WALT CO COM DISNEY 0.5565 $ 100.03 R$ 4,9450 R$ 494,65<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | 0,00 | 494,65 |
| 03 | 02 | MANAGING PARTNER WITH 1000 SHARES<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 38.299.888/0001-88 | 1.000,00 | 1.000,00 |
| 04 | 01 | CPF: 38589845826 NAME: RILLIAN DIELLO LUCAS PIRES SAVINGS ACCOUNT<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Bank: 237 Branch: 2498 Account: 5136-5 | 2.025,68 | 22,70 |
| 04 | 02 | BANCO SEMEAR S/A CDB FLU CDB3181SBJI 07/12/2021<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.000,00 | 0,00 |
| 04 | 02 | TREASURY IPCA+ 2024 XP INVESTIMENTOS CCTVM S/A BRSTNCNTB0K5 IPCA 15/08/2024 0,32 0,32 - - R$ 840,75 R$ 1.055,38 R$ 1.021,92 R$ 1.055,38 TREASURY IPCA+ 2026 XP INVESTIMENTOS CCTVM S/A BRSTNCNTB4W2 IPCA 15/08/2026 0,82 0,82 - - R$ 2.386,27 R$ 2.449,49 R$ 2.435,21 R$ 2.449,49 TREASURY IPCA+ WITH SEMIANNUAL INTEREST 2030 XP INVESTIMENTOS CCTVM S/A BRSTNCNTB3B8 IPCA 15/08/2030 0,19 0,19 - - R$ 783,72 R$ 766,90 R$ 765,85 R$ 766,90 TREASURY IPCA+ WITH SEMIANNUAL INTEREST<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 5.786,76 | 8.727,86 |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B37AD 11/19/2023 | 1.000,00 | 1.000,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 04 | 02 | COMPANY NAME NU FINANCEIRA S.A. CNPJ 30.680.829/0001-43 | 486,03 | 1.025,27 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 30.680.829/0001-43

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 04 | 02 | COMPANY NAME: PICPAY SERVICOS SA CNPJ: 22.896.431/0001-10 | 12,04 | 201,17 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 22.896.431/0001-10

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B379T 11/18/2024 | 1.000,00 | 1.000,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 04 | 02 | BANCO PAN S/A CDB PRE DU CDB3213NIQF 07/12/2022 | 0,00 | 1.000,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 04 | 02 | BANCO MODAL S.A CDB PRE DU CDB421MAWR0 10/09/2022 | 0,00 | 1.000,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 06 | 01 | CHECKING ACCOUNT DEPOSIT BRADESCO | 1,00 | 1,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 60.746.948/0001-12
Bank: 237 Branch: 2498 Account: 5136-5

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 06 | 01 | CHECKING ACCOUNT AND VGBL - VALUES IN REAIS | 201,34 | 5.812,08 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 00.000.000/0001-91

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| Bank: 001 | Branch: 5783 | Account: 7167-6 | | |
| 06 | 01 | US$ 2.79 BALANCE AT AVENUE SECURITIES LLC BROKER (INVESTMENT ACCOUNT) R$ 10,18 R$ 15,57 | 10,18 | 15,57 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| Branch: | Account: | | | |
| 06 | 99 | ACCOUNT BALANCE AT XP INVESTIMENTOS CCTVM S/A AGENCIA 0002 CONTA 1139910 BALANCE AS OF 12/31/2020 R$ 73,14 BALANCE AS OF 12/31/2021 R$ 3,14 | 73,14 | 3,14 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 06 | 99 | ACCOUNT BALANCE AT XP INVESTIMENTOS CCTVM S/A AG 0003 CC: 752404 BALANCE AS OF 12/31/2020 TOTAL: 11,39 BALANCE AS OF 12/31/2021 25,47 | 27,30 | 25,47 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 07 | 01 | ARX ELBRUS ADVISORY DEBENTURES I BALANCE AS OF 12/31/2021 R$ 1.588,62 | 1.135,00 | 1.588,62 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 32.319.627/0001-04 | | | | |
| 07 | 03 | BCFF11 - FDO INV IMOB - FII BTG PACTUAL FUNDO DE FUNDOS XP INVESTIMENTOS CCTVM S/A 5402161 BCFF11 BRBCFFCTF000 COTAS BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 70 70 - - R$ 70,71 R$ 4.949,70 | 3.468,13 | 4.949,70 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 11.026.627/0001-38 | | | | |
| 07 | 03 | HGLG11 - CSHG LOGISTICA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 HGLG11 BRHGLGCTF004 SHARES ITAU UNIBANCO S/A 50 50 - - R$ 170,56 R$ 8.528,00 | 5.863,20 | 8.528,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 11.728.688/0001-47 | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 07 | 03 | XPML11 - XP MALLS FDO INV IMOB FII XP INVESTIMENTOS CCTVM S/A 5402161 XPML11 BRXPMLCTF000 SHARES BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 40 40 - - R$ 99,43 R$ 3.977,20 | 3.029,40 | 3.977,20 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 28.757.546/0001-00 | | | | |
| 07 | 03 | MXRF11 - MAXI RENDA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 MXRF11 BRMXRFCTF008 SHARES BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 278 278 - - R$ 10,01 R$ 2.782,78 | 1.427,53 | 2.782,78 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 97.521.225/0001-25 | | | | |
| 07 | 03 | KNRI11 - KINEA RENDA IMOBILIARIA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 KNRI11 BRKNRICTF007 SHARES ITAU CV S/A 22 22 - - R$ 141,89 R$ 3.121,58 | 3.134,25 | 3.121,58 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 12.005.956/0001-65 | | | | |
| 07 | 03 | HGFF11 - CSHG IMOB. FOF - FDO INV. IMOB. - FII XP INVESTIMENTOS CCTVM S/A 5402161 HGFF11 BRHGFFCTF008 SHARES ITAU CV S/A 19 19 - - R$ 75,84 R$ 1.440,96 | 0,00 | 1.440,96 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 32.784.898/0001-22 | | | | |
| 07 | 09 | 07-09 ETF VOO VANGUARD INDEX FDS S&P 500 ETF SHS 1.02 $ 356.72 R$ 5,2520 R$ 1.873,49 | 1.422,49 | 1.873,49 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| 07 | 09 | 07-09 ETF VOO VANGUARD INDEX FDS S&P 500 ETF SHS 1.02 $ 356.72 R$ 5,2520 R$ 1.873,49 | 0,00 | 1.873,49 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| 99 | 99 | BUSINESS NAME: MINERVA S/A INTEREST ON EQUITY CREDITED AND UNPAID BALANCE AS OF 12/31/2019 0,00 BALANCE AS OF 12/31/2020 2,90 | 2,90 | 0,00 |
| 105 - Brazil | | | | |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2020 | STATUS ON 12/31/2021 |
|---|---|---|---|---|
| 99 | 99 | EDP - ENERGIAS DO BRASIL SA N DO CNPJ: 03.983.431/0001-03 INTEREST ON EQUITY CREDITED AND UNPAID BALANCE AS OF 12/31/2019 0,00 BALANCE AS OF 12/31/2020 27,66 | 27,66 | 0,00 |
| 105 - Brazil | | | | |
| 99 | 99 | AES TIETE ENERGIA NO DO CNPJ: 04.128.563/0001-10 INTEREST ON EQUITY CREDITED AND UNPAID BALANCE AS OF 12/31/2019 19,11 BALANCE AS OF 12/31/2020 36,49 | 36,49 | 0,00 |
| 105 - Brazil | | | | |
| 99 | 99 | BUSINESS NAME: ITAUSA S.A NO DO CNPJ: 61.532.644/0001-15 INTEREST ON EQUITY CREDITED AND UNPAID GROSS VALUE 111,81 I.R.R.F. 16,76 NET VALUE 95,05 | 95,05 | 0,00 |
| 105 - Brazil | | | | |
| **TOTAL** | | | 100.885,43 | 141.769,82 |

## ENCUMBRANCES AND REAL LIABILITIES

No Information

## DONATIONS TO POLITICAL PARTIES AND CANDIDATES FOR ELECTIVE OFFICES

No Information

## STATEMENT OF RURAL ACTIVITY - BRAZIL

### IDENTIFICATION DATA OF THE EXPLORED PROPERTY - BRAZIL

No Information

### INCOME AND EXPENSES - BRAZIL

No Information

### CALCULATION OF THE RESULT - BRAZIL

No Information

### LIVESTOCK ACTIVITY - BRAZIL

No Information

### ASSETS OF RURAL ACTIVITY - BRAZIL

No Information

### DEBTS RELATED TO RURAL ACTIVITY - BRAZIL

No Information

## STATEMENT OF RURAL ACTIVITY - ABROAD

### IDENTIFICATION DATA OF THE EXPLORED PROPERTY - ABROAD

No Information

### INCOME AND EXPENSES - ABROAD

No Information

### CALCULATION OF THE RESULT - ABROAD

No Information

### LIVESTOCK ACTIVITY - ABROAD

No Information

### ASSETS OF RURAL ACTIVITY - ABROAD

No Information

### DEBTS RELATED TO RURAL ACTIVITY - ABROAD

No Information

### STATEMENT OF CAPITAL GAINS CALCULATION

No Information

## VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - TAXPAYER

### NET GAINS OR LOSSES - JAN

No Information

### NET GAINS OR LOSSES - FEB

No Information

### NET GAINS OR LOSSES - MAR

No Information

### NET GAINS OR LOSSES - APR

No Information

### NET GAINS OR LOSSES - MAY

No Information

### NET GAINS OR LOSSES - JUN

No Information

### NET GAINS OR LOSSES - JUL

No Information

### NET GAINS OR LOSSES - AUG

No Information

### NET GAINS OR LOSSES - SEP

No Information

### NET GAINS OR LOSSES - OCT

No Information

### NET GAINS OR LOSSES - NOV

No Information

### NET GAINS OR LOSSES - DEC

No Information

## VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - DEPENDENTS

No Information

## REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - TAXPAYER

No Information

## REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - DEPENDENTS

No Information

## SUMMARY — TAXATION USING THE STANDARD DEDUCTION

| | |
|---|---|
| **TAXABLE INCOME AND STANDARD DEDUCTION** | |
| Received from Legal Entity by the Taxpayer | 36.755,67 |
| Received from Legal Entity by Dependents | 0,00 |
| Received from Individual/Abroad by the Taxpayer | 55,98 |
| Received from Individual/Abroad by Dependents | 0,00 |
| Received Cumulatively by the Taxpayer | 0,00 |
| Received Cumulatively by Dependents | 0,00 |
| Taxable Income from Rural Activity | 0,00 |
| TOTAL TAXABLE INCOME | 36.811,65 |
| Standard Deduction | 7.362,33 |
| Taxable Base | 29.449,32 |
| Tax Due | 495,11 |
| Tax Due RRA (on received accumulated income) | 0,00 |
| Effective Tax Rate (%) | 1,34 |
| Total Tax Due | 495,11 |
| **TAX PAID** | |
| Tax Withheld at Source by the Taxpayer | 1.915,16 |
| Tax Withheld at Source by Dependents | 0,00 |
| Taxpayer's Carnê-Leão | 0,00 |
| Dependents' Carnê-Leão | 0,00 |
| Complementary Tax | 0,00 |
| Tax Paid Abroad | 0,00 |
| Tax Withheld at Source (Law No.11.033/2004) | 0,00 |
| Tax Withheld RRA | 0,00 |
| Total Tax Paid | 1.915,16 |
| **TAX TO BE REFUNDED** | 1.420,05 |
| **BALANCE OF TAX PAYABLE** | 0,00 |
| **INSTALLMENT PLAN** | |
| Installment Amount | 0,00 |
| Number of Installments | 0 |
| **BANKING INFORMATION** | |
| Account Type | Checking Account |
| Bank | 001 |
| Branch (without Checking Digit) | 5783 |
| Account for credit | 7167 6 |

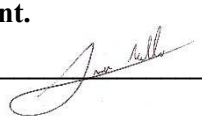
**ASSET EVOLUTION**

| | |
|---|---|
| Assets and Rights on 12/31/2020 | 100.885,43 |
| Assets and Rights on 12/31/2021 | 141.769,82 |
| Encumbrances and Real Liabilities on 12/31/2020 | 0,00 |
| Encumbrances and Real Liabilities on 12/31/2021 | 0,00 |

**OTHER INFORMATION**

| | |
|---|---|
| Exempt and non-taxable income | 70.920,35 |
| Income subject to exclusive/definitive taxation | 4.267,47 |
| Taxable income - tax with suspended liability | 0,00 |
| Judicial Deposits of Tax | 0,00 |
| Tax Paid on Capital Gains | 0,00 |
| Tax Paid on Capital Gains Foreign Currency - Assets, Rights, and Financial Investments | 0,00 |
| Total tax withheld at source (Law No. 11.033/2004), as per the data provided by the taxpayer | 0,00 |
| Tax Paid on Variable Income | 0,00 |
| Donations to Political Parties and Candidates for Elective Office | |
| Tax Payable on Capital Gain - Foreign Currency in Cash | 0,00 |
| Deferred Tax on Capital Gains | 0,00 |
| Tax Due on Capital Gains | 0,00 |
| Tax Due on Net Income from Variable Income | 0,00 |
| Tax Due on Capital Gains in Foreign Currency - Assets, Rights, and Financial Investments | 0,00 |

**I, André Vinícius Inacio Penna Mello, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**



**Date: September 10, 2026.**

**NOME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
**DECLARAÇÃO DE AJUSTE ANUAL** **EXERCÍCIO 2022** **ANO-CALENDÁRIO 2021**

## IDENTIFICAÇÃO DO CONTRIBUINTE

| | | | |
|---|---|---|---|
| Nome: | RILLIAN DIELLO LUCAS PIRES | CPF: | 385.898.458-26 |
| Data de Nascimento: | 27/12/1990 | Título Eleitoral: | 373000750183 |

Possui cônjuge ou companheiro(a)? Não

Houve alteração de dados cadastrais? Não

Um dos declarantes é pessoa com doença grave ou portadora de deficiência física ou mental? Não

| | | | |
|---|---|---|---|
| Endereço: | RUA TREZE DE JUNHO | Número: | 3015 |
| Complemento: | CASA | Bairro/Distrito: | MONTE CASTELO |
| Município: | CAMPO GRANDE | UF: | MS |
| CEP: | 79010-200 | DDD/Telefone: | |
| E-mail: | RILLIANSF@GMAIL.COM | DDD/Celular: | (67) 99946-2784 |

Natureza da Ocupação: 12 - Proprietário de empresa ou de firma individual ou empregador-titular

Ocupação Principal: 212 - Analista de sistemas, desenvolvedor de software, administrador de redes e bancos de dados e outros especialistas em informática (exceto técnico)

Tipo de declaração: Declaração de Ajuste Anual Original

Nº do recibo da última declaração entregue do exercício de 2021: 39.69.49.85.31-54

## DEPENDENTES

Sem Informações

## ALIMENTANDOS

Sem Informações

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR

(Valores em Reais)

| NOME DA FONTE PAGADORA | REND. RECEBIDOS DE PES. JURÍDICA | CONTR. PREVID. OFICIAL | IMPOSTO RETIDO NA FONTE | 13º SALÁRIO | IRRF SOBRE 13º SALÁRIO |
|---|---|---|---|---|---|
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA<br>CNPJ/CPF: 38.299.888/0001-88 | 26.774,67 | 2.945,21 | 212,33 | 0,00 | 0,00 |
| CI&T SOFTWARE S.A.<br>CNPJ/CPF: 00.609.634/0001-46 | 9.981,00 | 627,57 | 1.702,83 | 1.698,49 | 0,00 |
| **TOTAL** | 36.755,67 | 3.572,78 | 1.915,16 | 1.698,49 | 0,00 |

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES

Sem Informações

PROTEGIDA POR SIGILO FISCAL

**NOME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
**DECLARAÇÃO DE AJUSTE ANUAL** **EXERCÍCIO 2022** **ANO-CALENDÁRIO 2021**

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELO TITULAR** (Valores em Reais)

**NIT/PIS/PASEP:** 165.35941.93-1

| | RENDIMENTOS | | | |
|---|---|---|---|---|
| | TRABALHO NÃO ASSALARIADO | ALUGUÉIS | PENSÃO ALIMENTÍCIA E OUTROS | EXTERIOR |
| JAN | 0,00 | 0,00 | 0,00 | 0,00 |
| FEV | 0,00 | 0,00 | 0,00 | 1,42 |
| MAR | 0,00 | 0,00 | 0,00 | 9,25 |
| ABR | 0,00 | 0,00 | 0,00 | 0,00 |
| MAI | 0,00 | 0,00 | 0,00 | 1,63 |
| JUN | 0,00 | 0,00 | 0,00 | 3,74 |
| JUL | 0,00 | 0,00 | 0,00 | 6,92 |
| AGO | 0,00 | 0,00 | 0,00 | 1,48 |
| SET | 0,00 | 0,00 | 0,00 | 3,73 |
| OUT | 0,00 | 0,00 | 0,00 | 6,99 |
| NOV | 0,00 | 0,00 | 0,00 | 1,58 |
| DEZ | 0,00 | 0,00 | 0,00 | 19,24 |
| TOTAL | 0,00 | 0,00 | 0,00 | 55,98 |

| | DEDUÇÕES | | | | CARNÊ-LEÃO |
|---|---|---|---|---|---|
| | PREVIDÊNCIA OFICIAL | QUANTIDADE DE DEPENDENTES | PENSÃO ALIMENTÍCIA | LIVRO CAIXA | DARF PAGO CÓD. 0190 |
| JAN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| FEV | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| ABR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAI | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUL | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| AGO | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| SET | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| OUT | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| NOV | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| DEZ | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| TOTAL | 0,00 | | 0,00 | 0,00 | 0,00 |

PROTEGIDA POR SIGILO FISCAL

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELOS DEPENDENTES

Sem Informações

## RENDIMENTOS ISENTOS E NÃO TRIBUTÁVEIS

(Valores em Reais)

09. Lucros e dividendos recebidos — 2.819,57

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 04.128.563/0001-10 | AES TIETE ENERGIA | 10,56 |
| Titular | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA INVESTIMENTOS | 98,08 |
| Titular | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE | 297,39 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S/A | 29,76 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROBRAS | 1.369,52 |
| Titular | 385.898.458-26 | 60.840.055/0001-31 | FLEURY | 164,61 |
| Titular | 385.898.458-26 | 67.620.377/0001-14 | MINERVA S/A | 262,00 |
| Titular | 385.898.458-26 | 03.983.431/0001-03 | EDP-ENERGIAS DO BRASIL SA | 238,52 |
| Titular | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S/A | 51,35 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 65,52 |
| Titular | 385.898.458-26 | 33.592.510/0001-54 | VALE3 - VALE S.A. | 232,26 |

12. Rendimentos de cadernetas de poupança, letras hipotecárias, letras de crédito do agronegócio e imobiliário (LCA e LCI) e certificados de recebíveis do agronegócio e imobiliários (CRA e CRI) — 233,00

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 233,00 |

13. Rendimento de sócio ou titular de microempresa ou empresa de pequeno porte optante pelo Simples Nacional, exceto pro labore, aluguéis e serviços prestados — 64.658,63

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 64.658,63 |

26. Outros — 3.209,15

| Beneficiário | CPF | CPF/CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Descrição | Valor |
|---|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.609.634/0001-46 | CI&T SOFTWARE S.A. | DIARIAS E AJUDAS DE CUSTO | 1.650,00 |
| Titular | 385.898.458-26 | 11.026.627/0001-38 | FUNDO DE INVESTIMENTO IMOBILIARIO FII BTG PACTUAL FUNDO DE F | BCFF11 - FDO INV IMOB - FII BTG PACTUAL FUNDO DE FUNDOS | 344,46 |
| Titular | 385.898.458-26 | 11.728.688/0001-47 | HGLG11 - CSHG LOGISTICA FDO INV IMOB - FII | RENDIMENTO: HGLG11 | 610,58 |
| Titular | 385.898.458-26 | 28.757.546/0001-00 | FII XP MALLS | RENDIMENTO: XPML11 - XP MALLS FDO INV IMOB FII | 181,98 |

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| | | | | | |
|---|---|---|---|---|---|
| Titular | 385.898.458-26 | 97.521.225/0001-25 | FII MAXI RENDA | RENDIMENTO: MXRF13 - MAXI RENDA FDO INV IMOB - FII | 194,24 |
| Titular | 385.898.458-26 | 12.005.956/0001-65 | KINEA RENDA IMOBILIARIA-FII - KNRI11 | RENDIMENT: KINEA RENDA IMOBILIARIA FDO INV IMOB - FII | 179,69 |
| Titular | 385.898.458-26 | 32.784.898/0001-22 | HGFF11 - CSHG IMOB. FOF - FDO INV. IMOB. - FII | RENDIMENTO: CSHG IMOB. FOF - FDO INV. IMOB. - FII | 48,20 |

**TOTAL** 70.920,35

**RENDIMENTOS SUJEITOS À TRIBUTAÇÃO EXCLUSIVA / DEFINITIVA** (Valores em Reais)

01. 13º salário 1.698,49

06. Rendimentos de aplicações financeiras 400,39

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 1,14 |
| Titular | 385.898.458-26 | 18.236.120/0001-58 | NU PAGAMENTOS SA | 0,01 |
| Titular | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA S.A - SOCIEDADE DE CREDITO, FINANCIAMENTO E IN | 24,82 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CCTVM S/A | 172,68 |
| Titular | 385.898.458-26 | 22.896.431/0001-10 | PICPAY INSTITUICAO DE PAGAMENTO S.A | 0,47 |
| Titular | 385.898.458-26 | 22.896.431/0001-10 | PICPAY INSTITUICAO DE PAGAMENTO S.A | 0,45 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CCTVM S/A | 30,20 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CCTVM S/A | 145,80 |
| Titular | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA S.A - SOCIEDADE DE CREDITO, FINANCIAMENTO E IN | 24,82 |

10. Juros sobre capital próprio 2.168,59

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 281,68 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 136,89 |
| Titular | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 380,47 |
| Titular | 385.898.458-26 | 03.983.431/0001-03 | EDP-ENERGIAS DO BRASIL SA | 93,92 |
| Titular | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S/A | 107,91 |
| Titular | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S/A | 71,44 |
| Titular | 385.898.458-26 | 04.128.563/0001-10 | AES TIETE ENERGIA | 36,49 |
| Titular | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE | 41,46 |
| Titular | 385.898.458-26 | 67.620.377/0001-14 | MINERVA S/A | 2,90 |
| Titular | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S/A | 137,88 |
| Titular | 385.898.458-26 | 18.945.670/0001-46 | BANCO INTER S.A. | 19,84 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S/A | 8,61 |
| Titular | 385.898.458-26 | 03.983.431/0001-03 | EDP-ENERGIAS DO BRASIL SA | 27,66 |

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| | | | | |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 281,68 |
| Titular | 385.898.458-26 | 76.484.013/0001-45 | CIA DE SANEAMENTO DO PARANA - SANEPAR | 17,50 |
| Titular | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S/A | 107,91 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 179,67 |
| Titular | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 234,68 |
| **TOTAL** | | | | 4.267,47 |

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR (IMPOSTO COM EXIGIBILIDADE SUSPENSA)**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES (IMPOSTO COM EXIGIBILIDADE SUSPENSA)**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELO TITULAR**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELOS DEPENDENTES**

Sem Informações

**IMPOSTO PAGO / RETIDO** (Valores em Reais)

| | |
|---|---|
| 01. Imposto complementar: | 0,00 |
| 02. Imposto pago no exterior | 0,00 |
| Imposto devido com os rendimentos no exterior: | 0,00 |
| Imposto devido sem os rendimentos no exterior: | 0,00 |
| Diferença a ser considerada para cálculo do imposto (limite legal): | 0,00 |
| 03. Imposto de renda na fonte (Lei 11.033/2004): | 0,00 |
| 04. Imposto retido na fonte do titular | 1.915,16 |
| 05. Imposto retido na fonte dos dependentes | 0,00 |
| 06. Carnê-Leão do titular | 0,00 |
| 07. Carnê-Leão dos dependentes | 0,00 |

**PAGAMENTOS EFETUADOS** (Valores em Reais)

| CÓD. | NOME DO BENEFICIÁRIO | CPF/CNPJ DO BENEFICIÁRIO | VALOR PAGO | PARC. NÃO DEDUTÍVEL |
|---|---|---|---|---|
| Titular | | | | |
| 26 | QUALICORP ADMINISTRADORA DE BENEFICIOS S.A. | 07.658.098/0001-18 | 475,34 | 0,00 |

Descrição:

**DOAÇÕES EFETUADAS**

Sem Informações

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2020 | SITUAÇÃO EM 31/12/2021 |
|---|---|---|---|---|
| 03 | 01 | GRND3 - GRENDENE S.A. XP INVESTIMENTOS CCTVM S/A 5402161 GRND3 BRGRNDACNOR3 - 164 ON BANCO BRADESCO S/A 400 - - R$ 8,65 R$ 3.460,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 89.850.341/0001-60 | 2.832,00 | 3.460,00 |
| 03 | 01 | FLRY3 - FLEURY S.A. CLEAR CORRETORA - GRUPO XP 1139910 FLRY3 BRFLRYACNOR5 - 131 ON BANCO BRADESCO S/A 140 140 - - R$ 17,99 R$ 2.518,60 FLRY3 - FLEURY S.A. XP INVESTIMENTOS CCTVM S/A 5402161 FLRY3 BRFLRYACNOR5 - 131 ON BANCO BRADESCO S/A 241 241 - - R$ 17,99 R$ 4.335,59<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.840.055/0001-31 | 7.812,18 | 6.854,19 |
| 03 | 01 | AESB3 - AES BRASIL ENERGIA S.A. CLEAR CORRETORA - GRUPO XP 1139910 AESB3 BRAESBACNOR7 - 102 ON ITAU CV S/A 300 300 - - R$ 11,07 R$ 3.321,00 AESB3 - AES BRASIL ENERGIA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 AESB3 BRAESBACNOR7 - 102 ON ITAU CV S/A 263 263 - - R$ 11,07 R$ 2.911,41<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 04.128.563/0001-10 | 7.306,56 | 7.380,55 |
| 03 | 01 | BIDI4 - BANCO INTER S.A. CLEAR CORRETORA - GRUPO XP 1139910 BIDI4 BRBIDIACNPR0 - 114 PN BANCO BRADESCO S/A 473 473 - - R$ 9,54 R$ 4.512,42 BIDI4 - BANCO INTER S.A. XP INVESTIMENTOS CCTVM S/A 5402161 BIDI4 BRBIDIACNPR0 - 114 PN BANCO BRADESCO S/A 732 732 - - R$ 9,54 R$ 6.983,28<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 18.945.670/0001-46 | 15.265,60 | 13.924,78 |
| 03 | 01 | KLBN4 - KLABIN S.A. CLEAR CORRETORA - GRUPO XP 1139910 KLBN4 BRKLBNACNPR9 - 157 PN ITAU CV S/A 562 562 - - R$ 5,00 R$ 2.810,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 89.637.490/0001-45 | 2.084,00 | 2.810,00 |
| 03 | 01 | VIIA3 - VIA S.A CLEAR CORRETORA - GRUPO XP 1139910 VIIA3 BRVIIAACNOR7 - 100 ON ITAU CV S/A 60 60 - - R$ 5,25 R$ 315,00<br>105 - Brasil | 808,00 | 315,00 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2020 | SITUAÇÃO EM 31/12/2021 |
|---|---|---|---|---|
| Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 33.041.260/0652-90 | | | | |
| 03 | 01 | BEEF3 - MINERVA S.A. CLEAR CORRETORA - GRUPO XP 1139910 BEEF3 BRBEEFACNOR6 - 112 ON ITAU CV S/A 330 330 - - R$ 10,60 R$ 3.498,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 67.620.377/0001-14 | 759,20 | 3.498,00 |
| 03 | 01 | ENBR3 - EDP - ENERGIAS DO BRASIL S.A. CLEAR CORRETORA - GRUPO XP 1139910 ENBR3 BRENBRACNOR2 - 131 ON ITAU CV S/A 140 140 - - R$ 20,94 R$ 2.931,60<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 03.983.431/0001-03 | 2.239,20 | 2.931,60 |
| 03 | 01 | SAPR4 - CIA SANEAMENTO DO PARANA - SANEPAR CLEAR CORRETORA - GRUPO XP 1139910 SAPR4 BRSAPRACNPR6 - 152 PN BANCO BRADESCO S/A 299 299 - - R$ 3,87 R$ 1.157,13<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 76.484.013/0001-45 | 1.050,60 | 1.157,13 |
| 03 | 01 | ABEV3 - AMBEV S.A. CLEAR CORRETORA - GRUPO XP 1139910 ABEV3 BRABEVACNOR1 - 125 ON BANCO BRADESCO S/A 300 300 - - R$ 15,42 R$ 4.626,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 07.526.557/0001-00 | 3.114,00 | 4.626,00 |
| 03 | 01 | BBDC4 - BCO BRADESCO S.A. CLEAR CORRETORA - GRUPO XP 1139910 BBDC4 BRBBDCACNPR8 - 735 PN BANCO BRADESCO S/A 303 303 - - R$ 19,21 R$ 5.820,63<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12 | 3.192,80 | 5.820,63 |
| 03 | 01 | 03-01 STOCK AAPL APPLE INC. 1.32 $169.84 R$ 5,3706 R$ 912,14<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 912,14 | 912,14 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2020 | SITUAÇÃO EM 31/12/2021 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK AMZN AMAZON.COM INC. 0.1674 $ 553.25 R$ 5,2710 R$ 2.916,18<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 871,68 | 2.916,18 |
| 03 | 01 | 03-01 STOCK BRKB BERKSHIRE HATHAWAY INC DEL CL B 1.3566 $ 301.00 R$ 5,3045 R$ 1.596,65<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 805,64 | 1.596,65 |
| 03 | 01 | 03-01 STOCK MSFT MICROSOFT CORP COM 1.535 $ 370.85 R$ 5,3309 R$ 1.976,96<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 1.045,90 | 1.976,96 |
| 03 | 01 | 03-01 STOCK TSLA TESLA INC COM 0.6495 $ 344.24 R$ 5,3732 R$ 1.849,67<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 872,76 | 1.849,67 |
| 03 | 01 | ITSA4 - ITAUSA S.A. CLEAR CORRETORA - GRUPO XP 1139910 ITSA4 BRITSAACNPR7 - 416 PN ITAU CV S/A 951,3 951,3 - - R$ 8,93 R$ 8.495,11 ITSA4 - ITAUSA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 ITSA4 BRITSAACNPR7 - 416 PN ITAU CV S/A 630 630 - - R$ 8,93 R$ 5.625,90<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 61.532.644/0001-15 | 11.341,00 | 14.121,01 |
| 03 | 01 | PETR4 - PETROLEO BRASILEIRO S.A. PETROBRAS CLEAR CORRETORA - GRUPO XP 1139910 PETR4 BRPETRACNPR6 - 201 PN BANCO BRADESCO S/A 320 320 - - R$ 28,45 R$ 9.104,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 33.000.167/0001-01 | 6.306,60 | 9.104,00 |
| 03 | 01 | VALE3 - VALE S.A. CLEAR CORRETORA - GRUPO XP 1139910 VALE3 BRVALEACNOR0 - 203 ON BANCO BRADESCO S/A 60 60 - - R$ 77,96 R$ 4.677,60<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 33.592.510/0001-54 | 0,00 | 4.677,60 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2020 | SITUAÇÃO EM 31/12/2021 |
|---|---|---|---|---|
| 03 | 01 | SHOW3 - T4F ENTRETENIMENTO S.A. XP INVESTIMENTOS CCTVM S/A 5402161 SHOW3 BRSHOWACNOR7 - 105 ON BANCO BRADESCO S/A 100 100 - - R$ 3,73 R$ 373,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.860.694/0001-62 | 0,00 | 373,00 |
| 03 | 01 | 03-01 STOCK DIS DISNEY WALT CO COM DISNEY 0.5565 $ 100.03 R$ 4,9450 R$ 494,65<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 0,00 | 494,65 |
| 03 | 02 | SOCIO PROPRIETARIO COM 1000 DAS COTAS<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 38.299.888/0001-88 | 1.000,00 | 1.000,00 |
| 04 | 01 | CPF: 38589845826 NOME: RILLIAN DIELLO LUCAS PIRES CADERNETA DE POUPANCA<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Banco: 237 Agência: 2498 Conta: 5136-5 | 2.025,68 | 22,70 |
| 04 | 02 | BANCO SEMEAR S/A CDB FLU CDB3181SBJI 12/07/2021<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.000,00 | 0,00 |
| 04 | 02 | TESOURO IPCA+ 2024 XP INVESTIMENTOS CCTVM S/A BRSTNCNTB0K5 IPCA 15/08/2024 0,32 0,32 - - R$ 840,75 R$ 1.055,38 R$ 1.021,92 R$ 1.055,38 TESOURO IPCA+ 2026 XP INVESTIMENTOS CCTVM S/A BRSTNCNTB4W2 IPCA 15/08/2026 0,82 0,82 - - R$ 2.386,27 R$ 2.449,49 R$ 2.435,21 R$ 2.449,49 TESOURO IPCA+ COM JUROS SEMESTRAIS 2030 XP INVESTIMENTOS CCTVM S/A BRSTNCNTB3B8 IPCA 15/08/2030 0,19 0,19 - - R$ 783,72 R$ 766,90 R$ 765,85 R$ 766,90 TESOURO IPCA+ COM JUROS SEM<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 5.786,76 | 8.727,86 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2020 | SITUAÇÃO EM 31/12/2021 |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B37AD 19/11/2023<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.000,00 | 1.000,00 |
| 04 | 02 | NOME EMPRESARIAL NU FINANCEIRA S.A. CNPJ 30.680.829/0001-43<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 30.680.829/0001-43 | 486,03 | 1.025,27 |
| 04 | 02 | NOME EMPRESARIAL: PICPAY SERVICOS SA CNPJ: 22.896.431/0001-10<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 22.896.431/0001-10 | 12,04 | 201,17 |
| 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B379T 18/11/2024<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.000,00 | 1.000,00 |
| 04 | 02 | BANCO PAN S/A CDB PRE DU CDB3213NIQF 12/07/2022<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.000,00 |
| 04 | 02 | BANCO MODAL S.A CDB PRE DU CDB421MAWR0 09/10/2022<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.000,00 |
| 06 | 01 | DEP.A VISTA BRADESCO<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Banco: 237 Agência: 2498 Conta: 5136-5 | 1,00 | 1,00 |
| 06 | 01 | CONTA CORRENTE E VGBL - VALORES EM REAIS<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 00.000.000/0001-91 | 201,34 | 5.812,08 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2020 | SITUAÇÃO EM 31/12/2021 |
|---|---|---|---|---|
| Banco: 001 Agência: 5783 Conta: 7167-6 | | | | |
| 06 | 01 | SALDO DE US$ 2.79 NA CORRETORA AVENUE SECURITIES LLC (CONTA DE INVESTIMENTO) R$ 10,18 R$ 15,57<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Agência: Conta: | 10,18 | 15,57 |
| 06 | 99 | SALDO EM CONTA NA XP INVESTIMENTOS CCTVM S/A AGENCIA 0002 CONTA 1139910 SALDO EM 31/12/2020 R$ 73,14 SALDO EM 31/12/2021 R$ 3,14<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 73,14 | 3,14 |
| 06 | 99 | SALDO EM CONTA NA XP INVESTIMENTOS CCTVM S/A AG 0003 CC: 752404 SALDO EM 31/12/2020 TOTAL: 11,39 SALDO EM 31/12/2021 25,47<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 27,30 | 25,47 |
| 07 | 01 | ARX ELBRUS ADVISORY DEBENTURES I SALDO EM 31/12/2021 R$ 1.588,62<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 32.319.627/0001-04 | 1.135,00 | 1.588,62 |
| 07 | 03 | BCFF11 - FDO INV IMOB - FII BTG PACTUAL FUNDO DE FUNDOS XP INVESTIMENTOS CCTVM S/A 5402161 BCFF11 BRBCFFCTF000 COTAS BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 70 70 - - R$ 70,71 R$ 4.949,70<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 11.026.627/0001-38 | 3.468,13 | 4.949,70 |
| 07 | 03 | HGLG11 - CSHG LOGISTICA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 HGLG11 BRHGLGCTF004 COTAS ITAU UNIBANCO S/A 50 50 - - R$ 170,56 R$ 8.528,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 11.728.688/0001-47 | 5.863,20 | 8.528,00 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2020 | SITUAÇÃO EM 31/12/2021 |
|---|---|---|---|---|
| 07 | 03 | XPML11 - XP MALLS FDO INV IMOB FII XP INVESTIMENTOS CCTVM S/A 5402161 XPML11 BRXPMLCTF000 COTAS BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 40 40 - - R$ 99,43 R$ 3.977,20<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 28.757.546/0001-00 | 3.029,40 | 3.977,20 |
| 07 | 03 | MXRF11 - MAXI RENDA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 MXRF11 BRMXRFCTF008 COTAS BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 278 278 - - R$ 10,01 R$ 2.782,78<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 97.521.225/0001-25 | 1.427,53 | 2.782,78 |
| 07 | 03 | KNRI11 - KINEA RENDA IMOBILIARIA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 KNRI11 BRKNRICTF007 COTAS ITAU CV S/A 22 22 - - R$ 141,89 R$ 3.121,58<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 12.005.956/0001-65 | 3.134,25 | 3.121,58 |
| 07 | 03 | HGFF11 - CSHG IMOB. FOF - FDO INV. IMOB. - FII XP INVESTIMENTOS CCTVM S/A 5402161 HGFF11 BRHGFFCTF008 COTAS ITAU CV S/A 19 19 - - R$ 75,84 R$ 1.440,96<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 32.784.898/0001-22 | 0,00 | 1.440,96 |
| 07 | 09 | 07-09 ETF VOO VANGUARD INDEX FDS S&P 500 ETF SHS 1.02 $ 356.72 R$ 5,2520 R$ 1.873,49<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 1.422,49 | 1.873,49 |
| 07 | 09 | 07-09 ETF VOO VANGUARD INDEX FDS S&P 500 ETF SHS 1.02 $ 356.72 R$ 5,2520 R$ 1.873,49<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 0,00 | 1.873,49 |
| 99 | 99 | RAZAO SOCIAL: MINERVA S/A JUROS SOBRE CAPITAL CREDITADOS E NAO PAGOS SALDO EM 31/12/2019 0,00 SALDO EM 31/12/2020 2,90<br>105 - Brasil | 2,90 | 0,00 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2020 | SITUAÇÃO EM 31/12/2021 |
|---|---|---|---|---|
| 99 | 99 | EDP - ENERGIAS DO BRASIL SA N DO CNPJ: 03.983.431/0001-03 JUROS SOBRE CAPITAL CREDITADOS E NAO PAGOS SALDO EM 31/12/2019 0,00 SALDO EM 31/12/2020 27,66 | 27,66 | 0,00 |
| 105 - Brasil | | | | |
| 99 | 99 | AES TIETE ENERGIA NO DO CNPJ: 04.128.563/0001-10 JUROS SOBRE CAPITAL CREDITADOS E NAO PAGOS SALDO EM 31/12/2019 19,11 SALDO EM 31/12/2020 36,49 | 36,49 | 0,00 |
| 105 - Brasil | | | | |
| 99 | 99 | RAZAO SOCIAL: ITAUSA S.A NO DO CNPJ: 61.532.644/0001-15 JUROS SOBRE CAPITAL CREDITADOS E NAO PAGOS VALOR BRUTO 111,81 I.R.R.F. 16,76 VALOR LIQUIDO 95,05 | 95,05 | 0,00 |
| 105 - Brasil | | | | |
| **TOTAL** | | | 100.885,43 | 141.769,82 |

## DÍVIDAS E ÔNUS REAIS

Sem Informações

## DOAÇÕES A PARTIDOS POLÍTICOS E CANDIDATOS A CARGOS ELETIVOS

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DEMONSTRATIVO DE ATIVIDADE RURAL - BRASIL

### DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - BRASIL

Sem Informações

### RECEITAS E DESPESAS - BRASIL

Sem Informações

### APURAÇÃO DO RESULTADO - BRASIL

Sem Informações

### MOVIMENTAÇÃO DO REBANHO - BRASIL

Sem Informações

### BENS DA ATIVIDADE RURAL - BRASIL

Sem Informações

### DÍVIDAS VINCULADAS À ATIVIDADE RURAL - BRASIL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DEMONSTRATIVO DE ATIVIDADE RURAL - EXTERIOR

### DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - EXTERIOR

Sem Informações

### RECEITAS E DESPESAS - EXTERIOR

Sem Informações

### APURAÇÃO DO RESULTADO - EXTERIOR

Sem Informações

### MOVIMENTAÇÃO DO REBANHO - EXTERIOR

Sem Informações

### BENS DA ATIVIDADE RURAL - EXTERIOR

Sem Informações

### DÍVIDAS VINCULADAS À ATIVIDADE RURAL - EXTERIOR

Sem Informações

### DEMONSTRATIVO DA APURAÇÃO DOS GANHOS DE CAPITAL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - TITULAR

### GANHOS LÍQUIDOS OU PERDAS - JAN

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - FEV

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - MAR

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - ABR

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - MAI

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - JUN

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - JUL

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - AGO

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - SET

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - OUT

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - NOV

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - DEZ

Sem Informações

## RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - DEPENDENTES

Sem Informações

## FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - TITULAR

Sem Informações

## FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - DEPENDENTES

Sem Informações

PROTEGIDA POR SIGILO FISCAL

**NOME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
**DECLARAÇÃO DE AJUSTE ANUAL** **EXERCÍCIO 2022** **ANO-CALENDÁRIO 2021**

## RESUMO — TRIBUTAÇÃO UTILIZANDO O DESCONTO SIMPLIFICADO

| | |
|---|---|
| **RENDIMENTOS TRIBUTÁVEIS E DESCONTO SIMPLIFICADO** | |
| Recebidos de Pessoa Jurídica pelo Titular | 36.755,67 |
| Recebidos de Pessoa Jurídica pelos Dependentes | 0,00 |
| Recebidos de Pessoa Física/Exterior pelo Titular | 55,98 |
| Recebidos de Pessoa Física/Exterior pelos Dependentes | 0,00 |
| Recebidos acumuladamente pelo titular | 0,00 |
| Recebidos acumuladamente pelos dependentes | 0,00 |
| Resultado tributável da Atividade Rural | 0,00 |
| TOTAL DE RENDIMENTOS TRIBUTÁVEIS | 36.811,65 |
| Desconto Simplificado | 7.362,33 |
| Base de cálculo do Imposto | 29.449,32 |
| Imposto devido | 495,11 |
| Imposto devido RRA | 0,00 |
| Aliquota efetiva (%) | 1,34 |
| Total do imposto devido | 495,11 |
| **IMPOSTO PAGO** | |
| Imposto retido na fonte do titular | 1.915,16 |
| Imp. retido na fonte dos dependentes | 0,00 |
| Carnê-Leao do titular | 0,00 |
| Carnê-Leao dos dependentes | 0,00 |
| Imposto Complementar | 0,00 |
| Imposto pago no exterior | 0,00 |
| Imposto retido na fonte (Lei nº 11.033/2004) | 0,00 |
| Imposto retido RRA | 0,00 |
| Total do imposto pago | 1.915,16 |
| **IMPOSTO A RESTITUIR** | 1.420,05 |
| **SALDO IMPOSTO A PAGAR** | 0,00 |
| **PARCELAMENTO** | |
| Valor da quota | 0,00 |
| Número de Quotas | 0 |
| **INFORMAÇÕES BANCÁRIAS** | |
| Tipo de Conta | Conta Corrente |
| Banco | 001 |
| Agência (sem DV) | 5783 |
| Conta para crédito | 7167 6 |

PROTEGIDA POR SIGILO FISCAL

**EVOLUÇÃO PATRIMONIAL**

| | |
|---|---|
| Bens e direitos em 31/12/2020 | 100.885,43 |
| Bens e direitos em 31/12/2021 | 141.769,82 |
| Dívidas e ônus reais em 31/12/2020 | 0,00 |
| Dívidas e ônus reais em 31/12/2021 | 0,00 |

**OUTRAS INFORMAÇÕES**

| | |
|---|---|
| Rendimentos isentos e não tributáveis | 70.920,35 |
| Rendimentos sujeitos à tributação exclusiva/definitiva | 4.267,47 |
| Rendimentos tributáveis - imposto com exigibilidade suspensa | 0,00 |
| Depósitos judiciais do imposto | 0,00 |
| Imposto pago sobre Ganhos de Capital | 0,00 |
| Imposto pago Ganhos de Capital Moeda Estrangeira - Bens, direitos e Aplicações Financeiras | 0,00 |
| Total do imposto retido na fonte (Lei nº11.033/2004), conforme dados informados pelo contribuinte | 0,00 |
| Imposto pago sobre Renda Variável | 0,00 |
| Doações a Partidos Políticos e Candidatos a Cargos Eletivos | |
| Imposto a pagar sobre o Ganho de Capital - Moeda Estrangeira em Espécie | 0,00 |
| Imposto diferido dos Ganhos de Capital | 0,00 |
| Imposto devido sobre Ganhos de Capital | 0,00 |
| Imposto devido sobre ganhos líquidos em Renda Variável | 0,00 |
| Imposto devido sobre Ganhos de Capital Moeda Estrangeira - Bens, direitos e aplic. financeiras | 0,00 |

PROTEGIDA POR SIGILO FISCAL

**NAME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **INCOME TAX - INDIVIDUAL**
**ANNUAL ADJUSTMENT DECLARATION** **TAX YEAR 2023** **CALENDAR YEAR 2022**

## TAXPAYER IDENTIFICATION

| | | | |
|---|---|---|---|
| Name: | RILLIAN DIELLO LUCAS PIRES | CPF: | 385.898.458-26 |
| Date of Birth: | 12/27/1990 | Voter ID: | 0373000750183 |

Do you have a spouse or partner? No

Were there any changes to the registration details? No

Is one of the declarants a person with a serious illness or a physical or mental disability? No

| | | | |
|---|---|---|---|
| Address: | RUA TREZE DE JUNHO - DE 1261/1262 A 3255/325 | Number: | 3015 |
| Unit: | HOUSE | Neighborhood/District: | MONTE CASTELO |
| City: | CAMPO GRANDE | State: | MS |
| ZIP Code: | 79010-200 | Area Code/Telephone: | |
| E-mail: | RILLIANSF@GMAIL.COM | Area Code/Mobile: | (67) 99946-2784 |

Occupation Type: 12 - Owner of a company or sole proprietorship or employer-taxpayer

Main Occupation: 212 - Systems analyst, software developer, network and database administrator, and other computer specialists (except technicians)

Type of Declaration: Amended Declaration

Receipt Number of the last declaration filed in the 2023 tax year: 25.23.24.22.17-03

## DEPENDENTS

No Information

## ALIMONY

No Information

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER

(Values in Reais)

| NAME OF THE PAYING SOURCE | INCOME RECEIVED FROM LEGAL ENTITY | OFFICIAL SOCIAL SECURITY CONTRIBUTION | WITHHELD TAX | 13th SALARY | INCOME TAX WITHHELD ON 13th SALARY |
|---|---|---|---|---|---|
| CI&T SOFTWARE S.A.<br>CNPJ/CPF: 00.609.634/0001-46 | 15.300,84 | 1.580,35 | 2.903,77 | 869,35 | 0,00 |
| APPNOVATION TECHNOLOGIES (BRAZIL) LTDA<br>CNPJ/CPF: 32.373.142/0001-90 | 133.700,00 | 5.798,66 | 29.087,32 | 7.881,28 | 1.790,34 |
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA<br>CNPJ/CPF: 38.299.888/0001-88 | 52.637,96 | 5.325,11 | 5.859,76 | 0,00 | 0,00 |
| **TOTAL** | 201.638,80 | 12.704,12 | 37.850,85 | 8.750,63 | 1.790,34 |

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY DEPENDENTS

No Information

**NAME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **INCOME TAX - INDIVIDUAL**
**ANNUAL ADJUSTMENT DECLARATION** **TAX YEAR 2023** **CALENDAR YEAR 2022**

**TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY THE TAXPAYER** (Values in Reais)

**NIT/PIS/PASEP*:** 165.35941.93-1

INCOMES

| | NON-SALARIED WORK | RENTALS | OTHERS | ABROAD |
|---|---|---|---|---|
| JAN | 0,00 | 0,00 | 0,00 | 0,00 |
| FEB | 0,00 | 0,00 | 0,00 | 0,00 |
| MAR | 0,00 | 0,00 | 0,00 | 0,00 |
| APR | 0,00 | 0,00 | 0,00 | 0,00 |
| MAY | 0,00 | 0,00 | 0,00 | 0,00 |
| JUN | 0,00 | 0,00 | 0,00 | 0,00 |
| JUL | 0,00 | 0,00 | 0,00 | 0,00 |
| AUG | 0,00 | 0,00 | 0,00 | 0,00 |
| SEP | 0,00 | 0,00 | 0,00 | 0,00 |
| OCT | 0,00 | 0,00 | 0,00 | 0,00 |
| NOV | 0,00 | 0,00 | 0,00 | 0,00 |
| DEC | 0,00 | 0,00 | 0,00 | 0,00 |
| TOTAL | 0,00 | 0,00 | 0,00 | 0,00 |

DEDUCTIONS — CARNÊ-LEÃO*

| | OFFICIAL PENSION | NUMBER OF DEPENDENTS | ALIMONY | CASH BOOK | PAID DARF* CODE 0190 |
|---|---|---|---|---|---|
| JAN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| FEB | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| APR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAY | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUL | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| AUG | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| SEP | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| OCT | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| NOV | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| DEC | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| TOTAL | 0,00 | | 0,00 | 0,00 | 0,00 |

* NIT - Worker's Identification Number

* PIS - Program for Social Integration

* PASEP - Public Servant's Property Formation Program

* CARNÊ-LEÃO - (Income tax that must be paid monthly, mandatorily, by individuals residing in Brazil who receive income from another individual or from abroad)

* DARF - Tax Payment Document

## TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY DEPENDENTS

No Information

## EXEMPT AND NON-TAXABLE INCOME

(Values in Reais)

09. Profits and received dividends — 6.330,71

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 39,14 |
| Taxpayer | 385.898.458-26 | 03.983.431/0001-03 | EDP-ENERGIAS DO BRASIL SA | 196,62 |
| Taxpayer | 385.898.458-26 | 04.128.563/0001-10 | AES TIETE ENERGIA | 60,70 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROBRAS | 4.816,90 |
| Taxpayer | 385.898.458-26 | 33.592.510/0001-54 | VALE3 - VALE S.A. | 463,60 |
| Taxpayer | 385.898.458-26 | 60.840.055/0001-31 | FLEURY | 279,66 |
| Taxpayer | 385.898.458-26 | 67.620.377/0001-14 | MINERVA S/A | 210,91 |
| Taxpayer | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA - SANEPAR | 4,51 |
| Taxpayer | 385.898.458-26 | 84.429.695/0001-11 | WEG S.A | 15,58 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S/A | 178,77 |
| Taxpayer | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE | 64,32 |

12. Income from savings accounts, mortgage bonds, agribusiness, and real estate letters of credit (LCA and LCI), and certificates of agribusiness and real estate receivables (CRA and CRI) — 1.027,92

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 1.002,62 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 25,30 |

13. Income of a partner or owner of a microenterprise or small business opting for Simples Nacional, except for pro labore, rents, and services rendered — 97.932,70

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 97.932,70 |

25. Income tax refund from previous calendar years — 1.463,36

99. Others — 5.829,04

| Beneficiary | CPF | CPF/CNPJ of the Paying Source | Name of the Paying Source | Description | Amount |
|---|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.609.634/0001-46 | CI&T SOFTWARE S.A. | PER DIEMS AND ALLOWANCE | 300,00 |
| Taxpayer | 385.898.458-26 | 00.609.634/0001-46 | CI&T SOFTWARE S.A. | VACATION PAYMENT | 2.506,23 |
| Taxpayer | 385.898.458-26 | 11.026.627/0001-38 | FUNDO DE INVESTIMENTO IMOBILIARIO FII BTG PACTUAL FUNDO DE F | 0703 – REAL ESTATE INVESTMENT FUND (FII) | 576,60 |

| | | | | | |
|---|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 11.728.688/0001-47 | CSHG LOGISTICA FII | 0703 - REAL ESTATE INVESTMENT FUND (FII) | 970,80 |
| Taxpayer | 385.898.458-26 | 12.005.956/0001-65 | KINEA RENDA IMOBILIARIA-FII - KNRI11 | 0703 - REAL ESTATE INVESTMENT FUND (FII) | 310,26 |
| Taxpayer | 385.898.458-26 | 28.757.546/0001-00 | FII XP MALLS | 0703 - REAL ESTATE INVESTMENT FUND (FII) | 381,83 |
| Taxpayer | 385.898.458-26 | 32.784.898/0001-22 | CSHG IMOBILIARIO FOF FII | 0703 - REAL ESTATE INVESTMENT FUND (FII) | 242,84 |
| Taxpayer | 385.898.458-26 | 36.501.128/0001-86 | FUNDO DE INVESTIMENTO IMOBILIARIO RIZA TERRAX | 0703 - REAL ESTATE INVESTMENT FUND (FII) | 52,50 |
| Taxpayer | 385.898.458-26 | 97.521.225/0001-25 | FII MAXI RENDA | 0703 - REAL ESTATE INVESTMENT FUND (FII) | 487,98 |

**TOTAL** 112.583,73

## INCOME SUBJECT TO EXCLUSIVE/DEFINITIVE TAXATION

(Values in Reais)

01. 13th salary 8.750,63

06. Income from financial investments 722,99

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 61,46 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 73,95 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 80,66 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 216,07 |
| Taxpayer | 385.898.458-26 | 22.896.431/0001-10 | PICPAY INSTITUICAO DE PAGAMENTO S.A | 13,40 |
| Taxpayer | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA SA | 124,85 |
| Taxpayer | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA SA | 124,85 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S.A. PETROBRAS | 27,75 |

10. Interest on Equity 2.287,75

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 221,84 |
| Taxpayer | 385.898.458-26 | 00.416.968/0001-01 | BANCO INTER S.A | 13,88 |
| Taxpayer | 385.898.458-26 | 03.983.431/0001-03 | EDP - ENERGIAS DO BRASIL S.A. | 93,92 |
| Taxpayer | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S/A | 296,12 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S.A. PETROBRAS | 432,81 |
| Taxpayer | 385.898.458-26 | 33.592.510/0001-54 | VALE S/A | 130,85 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 133,24 |
| Taxpayer | 385.898.458-26 | 60.840.055/0001-31 | FLEURY SA | 150,94 |
| Taxpayer | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 651,57 |

| | | | | |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA - SANEPAR | 55,26 |
| Taxpayer | 385.898.458-26 | 84.429.695/0001-11 | WEG S.A. | 3,31 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S/A | 34,83 |
| Taxpayer | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S.A | 69,18 |
| **TOTAL** | | | | 11.761,37 |

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER (TAX WITH SUSPENDED EXIGIBILITY)

No Information

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE DEPENDENTS (TAX WITH SUSPENDED EXIGIBILITY)

No Information

## TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE TAXPAYER

No Information

## TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE DEPENDENTS

No Information

## TAX PAID / WITHHELD

(Values in Reais)

| | |
|---|---|
| 01. Complementary Tax: | 0,00 |
| 02. Tax paid abroad by the taxpayer and dependents | 0,00 |
| Tax due with income abroad | 0,00 |
| Tax due without income abroad | 0,00 |
| Difference to be considered for tax calculation (legal limit) | 0,00 |
| 03. Income Tax Withheld at Source (Law 11.033/2004): | 0,00 |
| 04. Income Tax Withheld at Source for the Taxpayer | 37.850,85 |
| 05. Income Tax Withheld at Source for the Dependents | 0,00 |
| 06. Taxpayer's Carnê-Leão | 0,00 |
| 07. Dependent's Carnê-Leão | 0,00 |

## PAYMENTS MADE

No Information

## DONATIONS MADE

No Information

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 03 | 01 | GRND3 - GRENDENE S.A. XP INVESTIMENTOS CCTVM S/A 5402161 GRND3 89850341000160 BRGRNDACNOR3 - 168 ON BANCO BRADESCO S/A 600 600 - - R$ 6,03 R$ 3.618,00 | 3.460,00 | 3.618,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| | | CNPJ: 89.850.341/0001-60<br>Exchange-Traded: Yes Trading Code: GRND3 | | |
| 03 | 01 | FLRY3 - FLEURY S.A. CLEAR BROKER - GRUPO XP 1139910 FLRY3 60840055000131 BRFLRYACNOR5 - 134 ON BANCO BRADESCO S/A 153 153 - - R$ 15,45 R$ 2.363,85 FLRY3 - FLEURY S.A. XP INVESTIMENTOS CCTVM S/A 5402161 FLRY3 60840055000131 BRFLRYACNOR5 - 134 ON BANCO BRADESCO S/A 450 450 - - R$ 15,45 R$ 6.952,50<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 60.840.055/0001-31<br>Exchange-Traded: Yes Trading Code: FLRY3 | 6.854,19 | 9.316,35 |
| 03 | 01 | AESB1 - AES BRASIL ENERGIA S.A. CLEAR BROKER - GRUPO XP 1139910 AESB1 37663076000107 BRAESBD02OR0 - 104 DIREITO ITAU CV S/A 1 1 - - R$ 0,25 R$ 0,25 AESB1 - AES BRASIL ENERGIA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 AESB1 37663076000107 BRAESBD02OR0 - 104 DIREITO ITAU CV S/A 2 2 - - R$ 0,25 R$ 0,50 AESB3 - AES BRASIL ENERGIA S.A. CLEAR BROKER - GRUPO XP 1139910 AESB3 37663076000107 BRAESBACNOR7 - 105 ON ITAU CV S/A<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 04.128.563/0001-10<br>Exchange-Traded: Yes Trading Code: AESB3 | 7.380,55 | 7.023,57 |
| 03 | 01 | KLBN4 - KLABIN S.A. CLEAR BROKER - GRUPO XP 1139910 KLBN4 89637490000145 BRKLBNACNPR9 - 162 PN ITAU CV S/A 1026 1026 - - R$ 4,02 R$ 4.124,52<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 89.637.490/0001-45<br>Exchange-Traded: Yes Trading Code: KLBN4 | 2.810,00 | 4.124,52 |
| 03 | 01 | VIIA3 - VIA S.A CLEAR BROKER - GRUPO XP 1139910 VIIA3 33041260065290 BRVIIAACNOR7 - 101 ON ITAU CV S/A 97 97 - - R$ 2,40 R$ 232,80<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 33.041.260/0652-90<br>Exchange-Traded: Yes Trading Code: VIIA3 | 315,00 | 232,80 |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 03 | 01 | BEEF3 - MINERVA S.A. CLEAR BROKER - GRUPO XP 1139910 BEEF3 67620377000114 BRBEEFACNOR6 - 114 ON ITAU CV S/A 514 514 - - R$ 12,96 R$ 6.661,44<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 67.620.377/0001-14<br>Exchange-Traded: Yes Trading Code: BEEF3 | 3.498,00 | 6.661,44 |
| 03 | 01 | ENBR3 - EDP - ENERGIAS DO BRASIL S.A. CLEAR BROKER - GRUPO XP 1139910 ENBR3 03983431000103 BRENBRACNOR2 - 133 ON ITAU CV S/A 220 220 - - R$ 20,79 R$ 4.573,80<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 03.983.431/0001-03<br>Exchange-Traded: Yes Trading Code: ENBR3 | 2.931,60 | 4.573,80 |
| 03 | 01 | SAPR4 - CIA SANEAMENTO DO PARANA - SANEPAR CLEAR BROKER - GRUPO XP 1139910 SAPR4 76484013000145 BRSAPRACNPR6 - 155 PN BANCO BRADESCO S/A 1037 1037 - - R$ 3,65 R$ 3.785,05<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 76.484.013/0001-45<br>Exchange-Traded: Yes Trading Code: SAPR4 | 1.157,13 | 3.785,05 |
| 03 | 01 | ABEV3 - AMBEV S.A. CLEAR BROKER - GRUPO XP 1139910 ABEV3 07526557000100 BRABEVACNOR1 - 126 ON BANCO BRADESCO S/A 457 457 - - R$ 14,52 R$ 6.635,64<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 07.526.557/0001-00<br>Exchange-Traded: Yes Trading Code: ABEV3 | 4.626,00 | 6.635,64 |
| 03 | 01 | BBDC4 - BCO BRADESCO S.A. CLEAR BROKER - GRUPO XP 1139910 BBDC4 60746948000112 BRBBDCACNPR8 - 749 PN BANCO BRADESCO S/A 749 749 - - R$ 15,15 R$ 11.347,35 3<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Exchange-Traded: Yes Trading Code: BBDC4 | 5.820,63 | 11.347,35 |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 03 | 01 | STOCK AAPL APPLE INC. 4.45294 $ 651.43 R$ 5,2047 R$ 3.390,53<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>Exchange-Traded: Yes Trading Code: AAPL | 912,14 | 3.390,53 |
| 03 | 01 | STOCK AMZN AMAZON.COM INC. 7.998 $ 967.46 R$ 5,2296 R$5.059,47<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>Exchange-Traded: Yes Trading Code: AMZN | 2.916,18 | 5.059,47 |
| 03 | 01 | STOCK BRKB BERKSHIRE HATHAWAY INC DEL CL B 3.11914 $ 834.17 R$ 5,2075 R$ 4.343,95<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>Exchange-Traded: Yes Trading Code: BRKB | 1.596,65 | 4.343,95 |
| 03 | 01 | STOCK MSFT MICROSOFT CORP COM 2.868 $ 695.23 R$ 5,2380 R$ 3.641,63<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>Exchange-Traded: Yes Trading Code: MSFT | 1.976,96 | 3.641,63 |
| 03 | 01 | STOCK TSLA TESLA INC COM 5.32034 $ 950.88 R$ 5,2212 R$ 4.964,76<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>Exchange-Traded: Yes Trading Code: TSLA | 1.849,67 | 4.964,76 |
| 03 | 01 | ITSA4 - ITAUSA S.A. CLEAR BROKER - GRUPO XP 1139910 ITSA4 61532644000115 BRITSAACNPR7 - 425 PN ITAU CV S/A 1210 1210 - - R$ 8,51 R$ 10.297,10 ITSA4 - ITAUSA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 ITSA4 61532644000115 BRITSAACNPR7 - 425 PN ITAU CV S/A 801 801 - - R$ 8,51 R$ 6.816,51<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 61.532.644/0001-15<br>Exchange-Traded: Yes Trading Code: ITSA4 | 14.121,01 | 17.113,61 |
| 03 | 01 | PETR4 - PETROLEO BRASILEIRO S.A. PETROBRAS CLEAR BROKER - GRUPO XP 1139910 PETR4 33000167000101 BRPETRACNPR6 - 205 PN BANCO BRADESCO S/A 305 305 - - R$ 24,50 R$ 7.472,50<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | 9.104,00 | 7.472,50 |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| | | CNPJ: 33.000.167/0001-01<br>Exchange-Traded: Yes Trading Code: PETR4 | | |
| 03 | 01 | VALE3 - VALE S.A. CLEAR BROKER - GRUPO XP 1139910 VALE3 33592510000154 BRVALEACNOR0 - 206 ON BANCO BRADESCO S/A 187 187 - - R$ 88,88 R$ 16.620,56<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 33.592.510/0001-54<br>Exchange-Traded: Yes Trading Code: VALE3 | 4.677,60 | 16.620,56 |
| 03 | 01 | SHOW3 - T4F ENTRETENIMENTO S.A. XP INVESTIMENTOS CCTVM S/A 5402161 SHOW3 02860694000162 BRSHOWACNOR7 - 105 ON BANCO BRADESCO S/A 200 200 - - R$ 2,39 R$ 478,00<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 02.860.694/0001-62<br>Exchange-Traded: Yes Trading Code: SHOW3 | 373,00 | 478,00 |
| 03 | 01 | STOCK DIS DISNEY WALT CO COM DISNEY 3.0565 $ 341.09 R$ 5,1281 R$ 1.749,14<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>Exchange-Traded: Yes Trading Code: DIS | 494,65 | 1.749,14 |
| 03 | 01 | BBAS3 - BCO BRASIL S.A. CLEAR BROKER - GRUPO XP 1139910 BBAS3 00000000000191 BRBBASACNOR3 - 311 ON BANCO DO BRASIL S/A 230 230 - - R$ 34,73 R$ 7.987,90<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 00.000.000/0001-91<br>Exchange-Traded: Yes Trading Code: BBAS3 | 0,00 | 7.987,90 |
| 03 | 01 | CSAN3 - COSAN S.A. CLEAR BROKER - GRUPO XP 1139910 CSAN3 50746577000115 BRCSANACNOR6 - 123 ON ITAU CV S/A 386 386 - - R$ 17,12 R$ 6.608,32<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 50.746.577/0001-15<br>Exchange-Traded: Yes Trading Code: CSAN3 | 0,00 | 6.608,32 |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 03 | 01 | WEGE3 - WEG S.A. CLEAR BROKER - GRUPO XP 1139910 WEGE3 84429695000111 BRWEGEACNOR0 - 214 ON BANCO BRADESCO S/A 226 226 - - R$ 38,51 R$ 8.703,26 | 0,00 | 8.703,26 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 84.429.695/0001-11 | | | | |
| Exchange-Traded: Yes | | Trading Code: WEGE3 | | |
| 03 | 01 | STOCK GOOGL ALPHABET INC. (CLASS A) 5.7952 $ 527.55 R$ 5,2279 R$ 2.757,99 | 0,00 | 2.757,99 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| Exchange-Traded: Yes | | Trading Code: GOOGL | | |
| 03 | 01 | STOCK KO COCA COLA CO COM 10 $ 598.25 R$ 5,1349 R$ 3.071,95 | 0,00 | 3.071,95 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| Exchange-Traded: Yes | | Trading Code: KO | | |
| 03 | 01 | STOCK MCD MCDONALDS CORP. 2 $ 554.80 R$ 5,1686 R$ 2.867,55 | 0,00 | 2.867,55 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| Exchange-Traded: Yes | | Trading Code: MCD | | |
| 03 | 01 | STOCK XOM EXXON MOBIL CORP. 7.1815 $ 750.16 R$ 5,2207 R$ 3.916,40 | 0,00 | 3.916,40 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| Exchange-Traded: Yes | | Trading Code: XOM | | |
| 03 | 02 | MANAGING PARTNER WITH 1000 SHARES | 1.000,00 | 1.000,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 38.299.888/0001-88 | | | | |
| 04 | 01 | CPF: 38589845826 NAME: RILLIAN DIELLO LUCAS PIRES SAVINGS ACCOUNT BALANCE AS OF 12/31/2021 R$ 22,70 BALANCE AS OF 12/31/2022 R$ 15.798,56 RETURN R$ 25,30 | 22,70 | 15.798,56 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 60.746.948/0001-12 | | | | |
| Bank: 237 Branch: 2498 Account: 5136-5 | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 04 | 02 | TREASURY DIRECT BALANCES AS OF 12/31/2021 BALANCES AS OF 12/31/2022 NET INCOME LTN 01/01/2022 176,56 0,00 19,93 LTN 100000 01/01/2023 1.490,72 1.490,72 0,00 LFT 01/03/2023 683,04 683,04 0,00 NTNB PRINC 08/15/2024 840,75 840,75 0,00 LTN 01/01/2025 1.214,81 2.729,18 0,00 NTNB PRINC 08/15/2026 2.386,27 6.660,00 0,00 NTN-B 760199 08/15/2030 783,72 783,72 33,66 NTN-B 08/15/2040 418,02 917,36 20,36 LFT 01/03/2025 0,00 1.189,00 0,00 LFT 01/03/2027 0,00 4.116,00 0,00 NTN-B 08/15/2032 0,00 4.907,92 0,00 TOTAL: 7.993, | 7.993,89 | 24.317,69 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. 1.000,00 1.000,00 0,00 CDB PRE CDB420B37AD 11/19/2023 | 1.000,00 | 1.000,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | COMPANY NAME NU FINANCEIRA S.A. CNPJ 30.680.829/0001-43 | 1.025,27 | 3.667,63 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 30.680.829/0001-43

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B379T 11/18/2024 | 1.000,00 | 1.000,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO PAN S/A 1.000,00 0,00 61,46 CDB PRE DU CDB3213NIQF 12/07/2022 | 1.000,00 | 0,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO MODAL S.A CDB PRE DU CDB421MAWR0 10/09/2022 | 1.000,00 | 0,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.077,57 0,00 CDB PRE DU CDB122B3WRD 15/02/2023 | 0,00 | 1.077,57 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A CDB PRE DU CDB122BI81D 02/16/2023 R$ 1000,00 | 0,00 | 1.000,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.051,40 0,00 CDB PRE DU CDB122C5LEV 02/22/2023 | 0,00 | 1.051,40 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | PAGBANK CDB PRE DU CDB122KMVCO 03/23/2023 R$ 1.069,48 | 0,00 | 1.069,48 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | CREDIARE S.A. CFI 0,00 2.000,00 0,00 CDB PRE DU CDB4227GIOM 04/24/2023 | 0,00 | 2.000,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | PAGBANK CDB PRE DU CDB222CV2EF 05/11/2023 R$ 2.126,33 | 0,00 | 2.126,33 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | BANCO C6 CONSIGNADO S.A. 0,00 2.000,00 0,00 CDB PRE DU CDB322EWPV8 08/15/2023 | 0,00 | 2.000,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | PAGBANK CDB FLU CDB322KKLKA 09/04/2023 R$ 998,65 | 0,00 | 998,65 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.000,00 0,00 CDB PRE DU CDB3224G9NN 07/11/2024 | 0,00 | 1.000,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 04 | 02 | BANCO AGIBANK S.A CDB FLU CDB3216I3B1 07/22/2024 R$ 1.125,11 | 0,00 | 1.125,11 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 04 | 02 | PERNAMBUCANAS 0,00 1.000,00 0,00 FINANCIADORA S/A C CDB FLU CDB322FAXU1 08/15/2024 | 0,00 | 1.000,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 04 | 03 | BANCO BOCOM BBM SA 0,00 1.002,62 0,00 LCA PRE 22C01071475 03/28/2024 | 0,00 | 1.002,62 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 04 | 04 | INBR32 - INTER CO INC CLEAR BROKER - GRUPO XP 1139910 INBR32 BRINBRBDR007 - 101 BDR BANCO BRADESCO S/A 62 62 - - R$ 11,05 R$ 685,10 INBR32 - INTER CO INC XP INVESTIMENTOS CCTVM S/A 5402161 INBR32 BRINBRBDR007 - 101 BDR BANCO BRADESCO S/A 122 122 - - R$ 11,05 R$ 1.348,10 | 13.924,78 | 2.033,20 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: Yes Trading Code: INBR32

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 06 | 01 | 5783-5 PARQUE DOS PODERES - MS 00.000.000/0001-91 01. CHECKING ACCOUNT AND VGBL - VALUES IN REAIS CHECKING ACCOUNT DESCRIPTION BALANCE AS OF 12/31/2021 BALANCE AS OF 12/31/2022 5.812,08 559,22 | 5.812,08 | 559,22 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 00.000.000/0001-91
Bank: 001 Branch: 5783 Account: 7167-6

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 06 | 01 | ASSETS AND RIGHTS INFORMATION FOR DECLARATION ASSET GROUP: 06 - DEMAND DEPOSITS AND CASH CODE: 01 - CHECKING ACCOUNT OR PAYMENT ACCOUNT DEPOSIT LOCATION: 105 - Brazil | 201,17 | 163,66 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 22.896.431/0001-10
Bank: 380 Branch: 0001 Account: 8615836-8

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 06 | 01 | BRANCH 2498 TOTAL 5.1. TOTAL 5 ACCOUNT 5.136-5 BALANCE AS OF 12/31/2021 1,00 BALANCE AS OF 12/31/2022 1,00 | 1,00 | 1,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 60.746.948/0001-12
Bank: 237 Branch: 2498 Account: 5136-5

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 06 | 01 | US$ 687.84 BALANCE AT AVENUE CASH LLC (BANK ACCOUNT) | 0,00 | 3.588,53 |

249 - United States
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Branch: Account:

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 06 | 99 | BALANCE AS OF CONTA NA XP INVESTIMENTOS CCTVM S/A AGENCIA 0002 CONTA 1139910 BALANCE AS OF 12/31/2020 R$ 73,14 BALANCE AS OF 12/31/2021 R$ 3,14 | 3,14 | 1,90 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 06 | 99 | BALANCE AS OF CONTA NA XP INVESTIMENTOS CCTVM S/A AG 0003 CC: 752404 BALANCE AS OF 12/31/2020 TOTAL: 25,47 2,99 BALANCE AS OF 12/31/2021 | 25,47 | 2,99 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 06 | 99 | US$ 5.38 BALANCE AT AVENUE SECURITIES LLC BROKER (INVESTMENT ACCOUNT) | 15,57 | 28,07 |

249 - United States
Asset or right belonging to: Taxpayer CPF: 385.898.458-26

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 06 | 99 | PAYMENT ACCOUNT BALANCE AT AVENUE MEIOS DE PAGAMENTO LTDA, CNPJ 28.444.640/0001-00 R$ 0,00 R$ 5.000,00 | 0,00 | 5.000,00 |

105 - Brazil
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 28.444.640/0001-00

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 07 | 03 | BCFF11 - FDO INV IMOB - FII BTG PACTUAL FUNDO DE FUNDOS XP INVESTIMENTOS CCTVM S/A 5402161 BCFF11 11026627000138 BRBCFFCTF000 - 259 SHARES BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 100 100 - - R$ 66,26 R$ 6.626,00 | 4.949,70 | 6.626,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 11.026.627/0001-38 | | | | |
| Exchange-Traded: Yes Trading Code: BCFF11 | | | | |
| 07 | 03 | HGLG11 - CSHG LOGISTICA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 HGLG11 11728688000147 BRHGLGCTF004 - 252 SHARES ITAU UNIBANCO S.A. 90 90 - - R$ 164,50 R$ 14.805,00 | 8.528,00 | 14.805,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 11.728.688/0001-47 | | | | |
| Exchange-Traded: Yes Trading Code: HGLG11 | | | | |
| 07 | 03 | XPML11 - XP MALLS FDO INV IMOB FII XP INVESTIMENTOS CCTVM S/A 5402161 XPML11 28757546000100 BRXPMLCTF000 - 163 SHARES BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 50 50 - - R$ 95,68 R$ 4.784,00 | 3.977,20 | 4.784,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 28.757.546/0001-00 | | | | |
| Exchange-Traded: No | | | | |
| 07 | 03 | MXRF11 - MAXI RENDA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 MXRF11 97521225000125 BRMXRFCTF008 - 232 SHARES BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 707 707 - - R$ 10,09 R$ 7.133,63 | 2.782,78 | 7.133,63 |
| 105 - Brazil | | | | |
| Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 97.521.225/0001-25 | | | | |
| Exchange-Traded: Yes Trading Code: MXRF11 | | | | |
| 07 | 03 | KNRI11 - KINEA RENDA IMOBILIARIA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 KNRI11 12005956000165 BRKNRICTF007 - 245 SHARES ITAU CV S/A 50 50 - - R$ 140,20 R$ 7.010,00 | 3.121,58 | 7.010,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 12.005.956/0001-65 | | | | |
| Exchange-Traded: Yes Trading Code: KNRI11 | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| 07 | 03 | HGFF11 - CSHG IMOB. FOF - FDO INV. IMOB. - FII XP INVESTIMENTOS CCTVM S/A 5402161 HGFF11 32784898000122 BRHGFFCTF008 - 142 SHARES ITAU CV S/A 50 50 - - R$ 71,82 R$ 3.591,00 | 1.440,96 | 3.591,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ do Fundo: 32.784.898/0001-22 | | | | |
| Exchange-Traded: Yes | | Trading Code: HGFF11 | | |
| 07 | 03 | RZTR11 – REAL ESTATE INVESTMENT FUND RIZA TERRAX XP INVESTIMENTOS CCTVM S/A 5402161 RZTR11 36501128000186 BRRZTRCTF003 - 128 SHARES BANCO GENIAL S.A 26 26 - - R$ 100,00 R$ 2.600,00 | 0,00 | 2.600,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ do Fundo: 36.501.128/0001-86 | | | | |
| Exchange-Traded: Yes | | Trading Code: RZTR11 | | |
| 07 | 04 | XP FMP FGTS ELETROBRAS 45.088.790/0001-47 COD. 04 | 0,00 | 1.669,71 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ do Fundo: 45.088.790/0001-47 | | | | |
| 07 | 09 | ETF VOO VANGUARD INDEX FDS S&P 500 ETF SHS 1.245 $ 449.04 R$ 5,2127 R$ 2.340,71 | 1.873,49 | 2.340,71 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| Exchange-Traded: No | | | | |
| 07 | 09 | ETF GDX VANECK VECTORS ETF TR GOLD MINERS ETF 5.17 $ 166.42 R$ 5,0480 R$ 840,08 | 391,75 | 840,08 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| Exchange-Traded: Yes | | Trading Code: GDX | | |
| 07 | 09 | ETF IVV ISHARES TR CORE S&P500 ETF 1 $ 377.45 R$ 5,1744 R$ 1.953,07 | 0,00 | 1.953,07 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| Exchange-Traded: Yes | | Trading Code: IVV | | |
| 07 | 09 | ETF VWO VANGUARD INTL EQUITY INDEX FDS FTSE EMR MKT 8 $ 323.31 R$ 5,1930 R$ 1.678,92 | 0,00 | 1.678,92 |
| 249 - United States | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2021 | STATUS ON 12/31/2022 |
|---|---|---|---|---|
| Exchange-Traded: Yes | | Trading Code: VWO | | |
| 07 | 99 | ARX ELBRUS ADVISORY 1.588,62 3.543,25 0,00 DEBENTURES I 32.319.627/0001-04 COD. 99 | 1.588,62 | 3.543,25 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| CNPJ do Fundo: 32.319.627/0001-04 | | | | |
| Exchange-Traded: No | | | | |
| 08 | 01 | BALANCE FOR 2021: R$ 1790,00 ACQUISITION OF 0.01367519 BTC ON 10-30-2022 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 1500,00 ACQUISITION OF 0.03219403 ETH ON 11-10-2022 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 3000,00 CURRENTLY HELD IN CUSTODY AT BINANCE BROKER | 1.790,00 | 6.290,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| 08 | 02 | ACQUISITION OF 0.11239962 ETH ON 08-06-2022 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 1000,00 ACQUISITION OF 0.11847387 ETH ON 10-30-2022 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 1000,00 ACQUISITION OF 0.26227845 ETH ON 11-10-2022 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 1800,00 CURRENTLY HELD IN CUSTODY AT BINANCE BROKER | 0,00 | 4.800,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| 08 | 03 | ACQUISITION OF 0.29925203 BNB EM 30-10-2022 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 500,00 CURRENTLY HELD IN CUSTODY AT BINANCE BROKER | 0,00 | 500,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: | | Taxpayer CPF: 385.898.458-26 | | |
| **TOTAL** | | | 141.344,11 | 301.845,02 |

## ENCUMBRANCES AND REAL LIABILITIES

No Information

## DONATIONS TO POLITICAL PARTIES AND CANDIDATES FOR ELECTIVE OFFICES

No Information

## STATEMENT OF RURAL ACTIVITY - BRAZIL

### IDENTIFICATION DATA OF THE EXPLORED PROPERTY - BRAZIL

No Information

### INCOME AND EXPENSES - BRAZIL

No Information

### CALCULATION OF THE RESULT - BRAZIL

No Information

### LIVESTOCK ACTIVITY - BRAZIL

No Information

### ASSETS OF RURAL ACTIVITY - BRAZIL

No Information

### DEBTS RELATED TO RURAL ACTIVITY - BRAZIL

No Information

## STATEMENT OF RURAL ACTIVITY - ABROAD

### IDENTIFICATION DATA OF THE EXPLORED PROPERTY - ABROAD

No Information

### INCOME AND EXPENSES - ABROAD

No Information

### CALCULATION OF THE RESULT - ABROAD

No Information

### LIVESTOCK ACTIVITY - ABROAD

No Information

### ASSETS OF RURAL ACTIVITY - ABROAD

No Information

### DEBTS RELATED TO RURAL ACTIVITY - ABROAD

No Information

### STATEMENT OF CAPITAL GAINS CALCULATION

No Information

## VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - TAXPAYER

### NET GAINS OR LOSSES - JAN

No Information

### NET GAINS OR LOSSES - FEB

No Information

### NET GAINS OR LOSSES - MAR

No Information

### NET GAINS OR LOSSES - APR

No Information

### NET GAINS OR LOSSES - MAY

No Information

### NET GAINS OR LOSSES - JUN

No Information

### NET GAINS OR LOSSES - JUL

No Information

### NET GAINS OR LOSSES - AUG

No Information

### NET GAINS OR LOSSES - SEP

No Information

### NET GAINS OR LOSSES - OCT

No Information

### NET GAINS OR LOSSES - NOV

No Information

### NET GAINS OR LOSSES - DEC

No Information

## VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - DEPENDENTS

No Information

## REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - TAXPAYER

No Information

## REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - DEPENDENTS

No Information

**NAME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **INCOME TAX - INDIVIDUAL**
**ANNUAL ADJUSTMENT DECLARATION** **TAX YEAR 2023** **CALENDAR YEAR 2022**

**SUMMARY** **TAXATION USING THE STANDARD DEDUCTION**

| | | |
|---|---|---|
| **TAXABLE INCOME AND STANDARD DEDUCTION** | | |
| Received from Legal Entity by the Taxpayer | | 201.638,80 |
| Received from Legal Entity by Dependents | | 0,00 |
| Received from Individual/Abroad by the Taxpayer | | 0,00 |
| Received from Individual/Abroad by Dependents | | 0,00 |
| Received Cumulatively by the Taxpayer | | 0,00 |
| Received Cumulatively by Dependents | | 0,00 |
| Taxable Income from Rural Activity | | 0,00 |
| TOTAL TAXABLE INCOME | | 201.638,80 |
| Standard Deduction | | 16.754,34 |
| Taxable Base | | 184.884,46 |
| Tax Due | | 40.410,90 |
| Tax Due RRA (on received accumulated income) | | 0,00 |
| Effective Tax Rate (%) | | 20,04 |
| Total Tax Due | | 40.410,90 |
| **TAX PAID** | | |
| Tax Withheld at Source by the Taxpayer | | 37.850,85 |
| Tax Withheld at Source by Dependents | | 0,00 |
| Taxpayer's Carnê-Leão | | 0,00 |
| Dependents' Carnê-Leão | | 0,00 |
| Complementary Tax | | 0,00 |
| Tax Paid Abroad | | 0,00 |
| Tax Withheld at Source (Law No.11.033/2004) | | 0,00 |
| Tax Withheld RRA | | 0,00 |
| Total Tax Paid | | 37.850,85 |
| **TAX TO BE REFUNDED** | | 0,00 |
| **BALANCE OF TAX PAYABLE** | | 2.560,05 |
| **INSTALLMENT PLAN** | | |
| Installment Amount | 640,01 | |
| Number of Installments | 4 | |
| **BANKING INFORMATION** | | |
| Automatic debit: NO | | |
| Bank | | |
| Branch (without Checking Digit) | | |
| Account for credit | | |

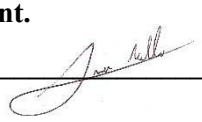
**ASSET EVOLUTION**

| | |
|---|---|
| Assets and Rights on 12/31/2021 | 141.344,11 |
| Assets and Rights on 12/31/2022 | 301.845,02 |
| Encumbrances and Real Liabilities on 12/31/2021 | 0,00 |
| Encumbrances and Real Liabilities on 12/31/2022 | 0,00 |

**OTHER INFORMATION**

| | |
|---|---|
| Exempt and non-taxable income | 112.583,73 |
| Income subject to exclusive/definitive taxation | 11.761,37 |
| Taxable income - tax with suspended liability | 0,00 |
| Judicial Deposits of Tax | 0,00 |
| Tax Paid on Capital Gains | 0,00 |
| Tax Paid on Capital Gains Foreign Currency - Assets, Rights, and Financial Investments | 0,00 |
| Total tax withheld at source (Law No. 11.033/2004), as per the data provided by the taxpayer | 0,00 |
| Tax Paid on Variable Income | 0,00 |
| Donations to Political Parties and Candidates for Elective Office | |
| Tax Payable on Capital Gain - Foreign Currency in Cash | 0,00 |
| Deferred Tax on Capital Gains | 0,00 |
| Tax Due on Capital Gains | 0,00 |
| Tax Due on Net Income from Variable Income | 0,00 |
| Tax Due on Capital Gains in Foreign Currency - Assets, Rights, and Financial Investments | 0,00 |

**I, André Vinícius Inacio Penna Mello, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**



**Date: September 11, 2026.**

**NOME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
**DECLARAÇÃO DE AJUSTE ANUAL** **EXERCÍCIO 2023** **ANO-CALENDÁRIO 2022**

## IDENTIFICAÇÃO DO CONTRIBUINTE

| | | | |
|---|---|---|---|
| Nome: | RILLIAN DIELLO LUCAS PIRES | CPF: | 385.898.458-26 |
| Data de Nascimento: | 27/12/1990 | Título Eleitoral: | 0373000750183 |

Possui cônjuge ou companheiro(a)? Não

Houve alteração de dados cadastrais? Não

Um dos declarantes é pessoa com doença grave ou portadora de deficiência física ou mental? Não

| | | | |
|---|---|---|---|
| Endereço: | RUA TREZE DE JUNHO - DE 1261/1262 A 3255/325 | Número: | 3015 |
| Complemento: | CASA | Bairro/Distrito: | MONTE CASTELO |
| Município: | CAMPO GRANDE | UF: | MS |
| CEP: | 79010-200 | DDD/Telefone: | |
| E-mail: | RILLIANSF@GMAIL.COM | DDD/Celular: | (67) 99946-2784 |

Natureza da Ocupação: 12 - Proprietário de empresa ou de firma individual ou empregador-titular

Ocupação Principal: 212 - Analista de sistemas, desenvolvedor de software, administrador de redes e bancos de dados e outros especialistas em informática (exceto técnico)

Tipo de declaração: Declaração Retificadora

Nº do recibo da declaração anterior do exercício de 2023: 25.23.24.22.17-03

## DEPENDENTES

Sem Informações

## ALIMENTANDOS

Sem Informações

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR

(Valores em Reais)

| NOME DA FONTE PAGADORA | REND. RECEBIDOS DE PES. JURÍDICA | CONTR. PREVID. OFICIAL | IMPOSTO RETIDO NA FONTE | 13º SALÁRIO | IRRF SOBRE 13º SALÁRIO |
|---|---|---|---|---|---|
| CI&T SOFTWARE S.A.<br>CNPJ/CPF: 00.609.634/0001-46 | 15.300,84 | 1.580,35 | 2.903,77 | 869,35 | 0,00 |
| APPNOVATION TECHNOLOGIES (BRAZIL) LTDA<br>CNPJ/CPF: 32.373.142/0001-90 | 133.700,00 | 5.798,66 | 29.087,32 | 7.881,28 | 1.790,34 |
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA<br>CNPJ/CPF: 38.299.888/0001-88 | 52.637,96 | 5.325,11 | 5.859,76 | 0,00 | 0,00 |
| **TOTAL** | 201.638,80 | 12.704,12 | 37.850,85 | 8.750,63 | 1.790,34 |

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES

Sem Informações

PROTEGIDA POR SIGILO FISCAL

**NOME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
**DECLARAÇÃO DE AJUSTE ANUAL** **EXERCÍCIO 2023** **ANO-CALENDÁRIO 2022**

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELO TITULAR** (Valores em Reais)

**NIT/PIS/PASEP:** 165.35941.93-1

| | RENDIMENTOS | | | |
|---|---|---|---|---|
| | TRABALHO NÃO ASSALARIADO | ALUGUÉIS | OUTROS | EXTERIOR |
| JAN | 0,00 | 0,00 | 0,00 | 0,00 |
| FEV | 0,00 | 0,00 | 0,00 | 0,00 |
| MAR | 0,00 | 0,00 | 0,00 | 0,00 |
| ABR | 0,00 | 0,00 | 0,00 | 0,00 |
| MAI | 0,00 | 0,00 | 0,00 | 0,00 |
| JUN | 0,00 | 0,00 | 0,00 | 0,00 |
| JUL | 0,00 | 0,00 | 0,00 | 0,00 |
| AGO | 0,00 | 0,00 | 0,00 | 0,00 |
| SET | 0,00 | 0,00 | 0,00 | 0,00 |
| OUT | 0,00 | 0,00 | 0,00 | 0,00 |
| NOV | 0,00 | 0,00 | 0,00 | 0,00 |
| DEZ | 0,00 | 0,00 | 0,00 | 0,00 |
| TOTAL | 0,00 | 0,00 | 0,00 | 0,00 |

| | DEDUÇÕES | | | | CARNÊ-LEÃO |
|---|---|---|---|---|---|
| | PREVIDÊNCIA OFICIAL | QUANTIDADE DE DEPENDENTES | PENSÃO ALIMENTÍCIA | LIVRO CAIXA | DARF PAGO CÓD. 0190 |
| JAN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| FEV | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| ABR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAI | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUL | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| AGO | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| SET | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| OUT | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| NOV | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| DEZ | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| TOTAL | 0,00 | | 0,00 | 0,00 | 0,00 |

PROTEGIDA POR SIGILO FISCAL

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELOS DEPENDENTES

Sem Informações

## RENDIMENTOS ISENTOS E NÃO TRIBUTÁVEIS

(Valores em Reais)

09. Lucros e dividendos recebidos 6.330,71

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 39,14 |
| Titular | 385.898.458-26 | 03.983.431/0001-03 | EDP-ENERGIAS DO BRASIL SA | 196,62 |
| Titular | 385.898.458-26 | 04.128.563/0001-10 | AES TIETE ENERGIA | 60,70 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROBRAS | 4.816,90 |
| Titular | 385.898.458-26 | 33.592.510/0001-54 | VALE3 - VALE S.A. | 463,60 |
| Titular | 385.898.458-26 | 60.840.055/0001-31 | FLEURY | 279,66 |
| Titular | 385.898.458-26 | 67.620.377/0001-14 | MINERVA S/A | 210,91 |
| Titular | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA - SANEPAR | 4,51 |
| Titular | 385.898.458-26 | 84.429.695/0001-11 | WEG S.A | 15,58 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S/A | 178,77 |
| Titular | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE | 64,32 |

12. Rendimentos de cadernetas de poupança, letras hipotecárias, letras de crédito do agronegócio e imobiliário (LCA e LCI) e certificados de recebíveis do agronegócio e imobiliários (CRA e CRI) 1.027,92

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 1.002,62 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 25,30 |

13. Rendimento de sócio ou titular de microempresa ou empresa de pequeno porte optante pelo Simples Nacional, exceto pro labore, aluguéis e serviços prestados 97.932,70

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 97.932,70 |

25. Restituição do imposto sobre a renda de anos-calendário anteriores 1.463,36

99. Outros 5.829,04

| Beneficiário | CPF | CPF/CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Descrição | Valor |
|---|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.609.634/0001-46 | CI&T SOFTWARE S.A. | DIARIAS E AJUDAS DE CUSTO | 300,00 |
| Titular | 385.898.458-26 | 00.609.634/0001-46 | CI&T SOFTWARE S.A. | VALORES FERIAS | 2.506,23 |
| Titular | 385.898.458-26 | 11.026.627/0001-38 | FUNDO DE INVESTIMENTO IMOBILIARIO FII BTG PACTUAL FUNDO DE F | 0703 - FUNDOS DE INVESTIMENTO IMOBILIARIO (FII) | 576,60 |

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| | | | | | |
|---|---|---|---|---|---|
| Titular | 385.898.458-26 | 11.728.688/0001-47 | CSHG LOGISTICA FII | 0703 - FUNDOS DE INVESTIMENTO IMOBILIARIO (FII) | 970,80 |
| Titular | 385.898.458-26 | 12.005.956/0001-65 | KINEA RENDA IMOBILIARIA-FII - KNRI11 | 0703 - FUNDOS DE INVESTIMENTO IMOBILIARIO (FII) | 310,26 |
| Titular | 385.898.458-26 | 28.757.546/0001-00 | FII XP MALLS | 0703 - FUNDOS DE INVESTIMENTO IMOBILIARIO (FII) | 381,83 |
| Titular | 385.898.458-26 | 32.784.898/0001-22 | CSHG IMOBILIARIO FOF FII | 0703 - FUNDOS DE INVESTIMENTO IMOBILIARIO (FII) | 242,84 |
| Titular | 385.898.458-26 | 36.501.128/0001-86 | FUNDO DE INVESTIMENTO IMOBILIARIO RIZA TERRAX | 0703 - FUNDOS DE INVESTIMENTO IMOBILIARIO (FII) | 52,50 |
| Titular | 385.898.458-26 | 97.521.225/0001-25 | FII MAXI RENDA | 0703 - FUNDOS DE INVESTIMENTO IMOBILIARIO (FII) | 487,98 |

**TOTAL** 112.583,73

## RENDIMENTOS SUJEITOS À TRIBUTAÇÃO EXCLUSIVA / DEFINITIVA

(Valores em Reais)

01. 13º salário 8.750,63

06. Rendimentos de aplicações financeiras 722,99

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 61,46 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 73,95 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 80,66 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INV COR CAMB TIT E VAL MOBI | 216,07 |
| Titular | 385.898.458-26 | 22.896.431/0001-10 | PICPAY INSTITUICAO DE PAGAMENTO S.A | 13,40 |
| Titular | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA SA | 124,85 |
| Titular | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA SA | 124,85 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S.A. PETROBRAS | 27,75 |

10. Juros sobre capital próprio 2.287,75

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 221,84 |
| Titular | 385.898.458-26 | 00.416.968/0001-01 | BANCO INTER S.A | 13,88 |
| Titular | 385.898.458-26 | 03.983.431/0001-03 | EDP - ENERGIAS DO BRASIL S.A. | 93,92 |
| Titular | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S/A | 296,12 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S.A. PETROBRAS | 432,81 |
| Titular | 385.898.458-26 | 33.592.510/0001-54 | VALE S/A | 130,85 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 133,24 |
| Titular | 385.898.458-26 | 60.840.055/0001-31 | FLEURY SA | 150,94 |
| Titular | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 651,57 |

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| | | | | |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA - SANEPAR | 55,26 |
| Titular | 385.898.458-26 | 84.429.695/0001-11 | WEG S.A. | 3,31 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S/A | 34,83 |
| Titular | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S.A | 69,18 |
| **TOTAL** | | | | 11.761,37 |

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR (IMPOSTO COM EXIGIBILIDADE SUSPENSA)**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES (IMPOSTO COM EXIGIBILIDADE SUSPENSA)**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELO TITULAR**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELOS DEPENDENTES**

Sem Informações

**IMPOSTO PAGO / RETIDO** (Valores em Reais)

| | |
|---|---|
| 01. Imposto complementar: | 0,00 |
| 02. Imposto pago no exterior | 0,00 |
| Imposto devido com os rendimentos no exterior: | 0,00 |
| Imposto devido sem os rendimentos no exterior: | 0,00 |
| Diferença a ser considerada para cálculo do imposto (limite legal): | 0,00 |
| 03. Imposto de renda na fonte (Lei 11.033/2004): | 0,00 |
| 04. Imposto retido na fonte do titular | 37.850,85 |
| 05. Imposto retido na fonte dos dependentes | 0,00 |
| 06. Carnê-Leão do titular | 0,00 |
| 07. Carnê-Leão dos dependentes | 0,00 |

**PAGAMENTOS EFETUADOS**

Sem Informações

**DOAÇÕES EFETUADAS**

Sem Informações

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| 03 | 01 | GRND3 - GRENDENE S.A. XP INVESTIMENTOS CCTVM S/A 5402161 GRND3 89850341000160 BRGRNDACNOR3 - 168 ON BANCO BRADESCO S/A 600 600 - - R$ 6,03 R$ 3.618,00 | 3.460,00 | 3.618,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| | | CNPJ: 89.850.341/0001-60<br>Negociados em Bolsa: Sim Código de Negociação: GRND3 | | |
| 03 | 01 | FLRY3 - FLEURY S.A. CLEAR CORRETORA - GRUPO XP 1139910 FLRY3 60840055000131 BRFLRYACNOR5 - 134 ON BANCO BRADESCO S/A 153 153 - - R$ 15,45 R$ 2.363,85 FLRY3 - FLEURY S.A. XP INVESTIMENTOS CCTVM S/A 5402161 FLRY3 60840055000131 BRFLRYACNOR5 - 134 ON BANCO BRADESCO S/A 450 450 - - R$ 15,45 R$ 6.952,50<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.840.055/0001-31<br>Negociados em Bolsa: Sim Código de Negociação: FLRY3 | 6.854,19 | 9.316,35 |
| 03 | 01 | AESB1 - AES BRASIL ENERGIA S.A. CLEAR CORRETORA - GRUPO XP 1139910 AESB1 37663076000107 BRAESBD02OR0 - 104 DIREITO ITAU CV S/A 1 1 - - R$ 0,25 R$ 0,25 AESB1 - AES BRASIL ENERGIA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 AESB1 37663076000107 BRAESBD02OR0 - 104 DIREITO ITAU CV S/A 2 2 - - R$ 0,25 R$ 0,50 AESB3 - AES BRASIL ENERGIA S.A. CLEAR CORRETORA - GRUPO XP 1139910 AESB3 37663076000107 BRAESBACNOR7 - 105 ON ITAU CV S/A<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 04.128.563/0001-10<br>Negociados em Bolsa: Sim Código de Negociação: AESB3 | 7.380,55 | 7.023,57 |
| 03 | 01 | KLBN4 - KLABIN S.A. CLEAR CORRETORA - GRUPO XP 1139910 KLBN4 89637490000145 BRKLBNACNPR9 - 162 PN ITAU CV S/A 1026 1026 - - R$ 4,02 R$ 4.124,52<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 89.637.490/0001-45<br>Negociados em Bolsa: Sim Código de Negociação: KLBN4 | 2.810,00 | 4.124,52 |
| 03 | 01 | VIIA3 - VIA S.A CLEAR CORRETORA - GRUPO XP 1139910 VIIA3 33041260065290 BRVIIAACNOR7 - 101 ON ITAU CV S/A 97 97 - - R$ 2,40 R$ 232,80<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 33.041.260/0652-90<br>Negociados em Bolsa: Sim Código de Negociação: VIIA3 | 315,00 | 232,80 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| 03 | 01 | BEEF3 - MINERVA S.A. CLEAR CORRETORA - GRUPO XP 1139910 BEEF3 67620377000114 BRBEEFACNOR6 - 114 ON ITAU CV S/A 514 514 - - R$ 12,96 R$ 6.661,44<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 67.620.377/0001-14<br>Negociados em Bolsa: Sim Código de Negociação: BEEF3 | 3.498,00 | 6.661,44 |
| 03 | 01 | ENBR3 - EDP - ENERGIAS DO BRASIL S.A. CLEAR CORRETORA - GRUPO XP 1139910 ENBR3 03983431000103 BRENBRACNOR2 - 133 ON ITAU CV S/A 220 220 - - R$ 20,79 R$ 4.573,80<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 03.983.431/0001-03<br>Negociados em Bolsa: Sim Código de Negociação: ENBR3 | 2.931,60 | 4.573,80 |
| 03 | 01 | SAPR4 - CIA SANEAMENTO DO PARANA - SANEPAR CLEAR CORRETORA - GRUPO XP 1139910 SAPR4 76484013000145 BRSAPRACNPR6 - 155 PN BANCO BRADESCO S/A 1037 1037 - - R$ 3,65 R$ 3.785,05<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 76.484.013/0001-45<br>Negociados em Bolsa: Sim Código de Negociação: SAPR4 | 1.157,13 | 3.785,05 |
| 03 | 01 | ABEV3 - AMBEV S.A. CLEAR CORRETORA - GRUPO XP 1139910 ABEV3 07526557000100 BRABEVACNOR1 - 126 ON BANCO BRADESCO S/A 457 457 - - R$ 14,52 R$ 6.635,64<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 07.526.557/0001-00<br>Negociados em Bolsa: Sim Código de Negociação: ABEV3 | 4.626,00 | 6.635,64 |
| 03 | 01 | BBDC4 - BCO BRADESCO S.A. CLEAR CORRETORA - GRUPO XP 1139910 BBDC4 60746948000112 BRBBDCACNPR8 - 749 PN BANCO BRADESCO S/A 749 749 - - R$ 15,15 R$ 11.347,35 3<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Negociados em Bolsa: Sim Código de Negociação: BBDC4 | 5.820,63 | 11.347,35 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| 03 | 01 | STOCK AAPL APPLE INC. 4.45294 $ 651.43 R$ 5,2047 R$ 3.390,53<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: AAPL | 912,14 | 3.390,53 |
| 03 | 01 | STOCK AMZN AMAZON.COM INC. 7.998 $ 967.46 R$ 5,2296 R$5.059,47<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: AMZN | 2.916,18 | 5.059,47 |
| 03 | 01 | STOCK BRKB BERKSHIRE HATHAWAY INC DEL CL B 3.11914 $ 834.17 R$ 5,2075 R$ 4.343,95<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: BRKB | 1.596,65 | 4.343,95 |
| 03 | 01 | STOCK MSFT MICROSOFT CORP COM 2.868 $ 695.23 R$ 5,2380 R$ 3.641,63<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: MSFT | 1.976,96 | 3.641,63 |
| 03 | 01 | STOCK TSLA TESLA INC COM 5.32034 $ 950.88 R$ 5,2212 R$ 4.964,76<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: TSLA | 1.849,67 | 4.964,76 |
| 03 | 01 | ITSA4 - ITAUSA S.A. CLEAR CORRETORA - GRUPO XP 1139910 ITSA4 61532644000115 BRITSAACNPR7 - 425 PN ITAU CV S/A 1210 1210 - - R$ 8,51 R$ 10.297,10 ITSA4 - ITAUSA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 ITSA4 61532644000115 BRITSAACNPR7 - 425 PN ITAU CV S/A 801 801 - - R$ 8,51 R$ 6.816,51<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 61.532.644/0001-15<br>Negociados em Bolsa: Sim Código de Negociação: ITSA4 | 14.121,01 | 17.113,61 |
| 03 | 01 | PETR4 - PETROLEO BRASILEIRO S.A. PETROBRAS CLEAR CORRETORA - GRUPO XP 1139910 PETR4 33000167000101 BRPETRACNPR6 - 205 PN BANCO BRADESCO S/A 305 305 - - R$ 24,50 R$ 7.472,50<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 9.104,00 | 7.472,50 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| | | CNPJ: 33.000.167/0001-01<br>Negociados em Bolsa: Sim Código de Negociação: PETR4 | | |
| 03 | 01 | VALE3 - VALE S.A. CLEAR CORRETORA - GRUPO XP 1139910 VALE3 33592510000154 BRVALEACNOR0 - 206 ON BANCO BRADESCO S/A 187 187 - - R$ 88,88 R$ 16.620,56<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 33.592.510/0001-54<br>Negociados em Bolsa: Sim Código de Negociação: VALE3 | 4.677,60 | 16.620,56 |
| 03 | 01 | SHOW3 - T4F ENTRETENIMENTO S.A. XP INVESTIMENTOS CCTVM S/A 5402161 SHOW3 02860694000162 BRSHOWACNOR7 - 105 ON BANCO BRADESCO S/A 200 200 - - R$ 2,39 R$ 478,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.860.694/0001-62<br>Negociados em Bolsa: Sim Código de Negociação: SHOW3 | 373,00 | 478,00 |
| 03 | 01 | STOCK DIS DISNEY WALT CO COM DISNEY 3.0565 $ 341.09 R$ 5,1281 R$ 1.749,14<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: DIS | 494,65 | 1.749,14 |
| 03 | 01 | BBAS3 - BCO BRASIL S.A. CLEAR CORRETORA - GRUPO XP 1139910 BBAS3 00000000000191 BRBBASACNOR3 - 311 ON BANCO DO BRASIL S/A 230 230 - - R$ 34,73 R$ 7.987,90<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 00.000.000/0001-91<br>Negociados em Bolsa: Sim Código de Negociação: BBAS3 | 0,00 | 7.987,90 |
| 03 | 01 | CSAN3 - COSAN S.A. CLEAR CORRETORA - GRUPO XP 1139910 CSAN3 50746577000115 BRCSANACNOR6 - 123 ON ITAU CV S/A 386 386 - - R$ 17,12 R$ 6.608,32<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 50.746.577/0001-15<br>Negociados em Bolsa: Sim Código de Negociação: CSAN3 | 0,00 | 6.608,32 |

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| 03 | 01 | WEGE3 - WEG S.A. CLEAR CORRETORA - GRUPO XP 1139910 WEGE3 84429695000111 BRWEGEACNOR0 - 214 ON BANCO BRADESCO S/A 226 226 - - R$ 38,51 R$ 8.703,26<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 84.429.695/0001-11<br>Negociados em Bolsa: Sim Código de Negociação: WEGE3 | 0,00 | 8.703,26 |
| 03 | 01 | STOCK GOOGL ALPHABET INC. (CLASS A) 5.7952 $ 527.55 R$ 5,2279 R$ 2.757,99<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: GOOGL | 0,00 | 2.757,99 |
| 03 | 01 | STOCK KO COCA COLA CO COM 10 $ 598.25 R$ 5,1349 R$ 3.071,95<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: KO | 0,00 | 3.071,95 |
| 03 | 01 | STOCK MCD MCDONALDS CORP. 2 $ 554.80 R$ 5,1686 R$ 2.867,55<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: MCD | 0,00 | 2.867,55 |
| 03 | 01 | STOCK XOM EXXON MOBIL CORP. 7.1815 $ 750.16 R$ 5,2207 R$ 3.916,40<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: XOM | 0,00 | 3.916,40 |
| 03 | 02 | SOCIO PROPRIETARIO COM 1000 DAS COTAS<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 38.299.888/0001-88 | 1.000,00 | 1.000,00 |
| 04 | 01 | CPF: 38589845826 NOME: RILLIAN DIELLO LUCAS PIRES CADERNETA DE POUPANCA SALDO EM 31/12/2021 R$ 22,70 SALDO EM 31/12/2022 R$ 15.798,56 RENDIMENTO R$ 25,30<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Banco: 237 Agência: 2498 Conta: 5136-5 | 22,70 | 15.798,56 |

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**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| 04 | 02 | TESOURO DIRETO SALDOS EM 31/12/2021 SALDOS EM 31/12/2022 RENDIMENTOS LIQUIDOS LTN 01/01/2022 176,56 0,00 19,93 LTN 100000 01/01/2023 1.490,72 1.490,72 0,00 LFT 01/03/2023 683,04 683,04 0,00 NTNB PRINC 15/08/2024 840,75 840,75 0,00 LTN 01/01/2025 1.214,81 2.729,18 0,00 NTNB PRINC 15/08/2026 2.386,27 6.660,00 0,00 NTN-B 760199 15/08/2030 783,72 783,72 33,66 NTN-B 15/08/2040 418,02 917,36 20,36 LFT 01/03/2025 0,00 1.189,00 0,00 LFT 01/03/2027 0,00 4.116,00 0,00 NTN-B 15/08/2032 0,00 4.907,92 0,00 TOTAL: 7.993, | 7.993,89 | 24.317,69 |

105 - Brasil
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. 1.000,00 1.000,00 0,00 CDB PRE CDB420B37AD 19/11/2023 | 1.000,00 | 1.000,00 |

105 - Brasil
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | NOME EMPRESARIAL NU FINANCEIRA S.A. CNPJ 30.680.829/0001-43 | 1.025,27 | 3.667,63 |

105 - Brasil
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 30.680.829/0001-43

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B379T 18/11/2024 | 1.000,00 | 1.000,00 |

105 - Brasil
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO PAN S/A 1.000,00 0,00 61,46 CDB PRE DU CDB3213NIQF 12/07/2022 | 1.000,00 | 0,00 |

105 - Brasil
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO MODAL S.A CDB PRE DU CDB421MAWR0 09/10/2022 | 1.000,00 | 0,00 |

105 - Brasil
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.077,57 0,00 CDB PRE DU CDB122B3WRD 15/02/2023 | 0,00 | 1.077,57 |

105 - Brasil
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

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**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A CDB PRE DU CDB122BI81D 16/02/2023 R$ 1000,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.000,00 |
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.051,40 0,00 CDB PRE DU CDB122C5LEV 22/02/2023<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.051,40 |
| 04 | 02 | PAGBANK CDB PRE DU CDB122KMVCO 23/03/2023 R$ 1.069,48<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.069,48 |
| 04 | 02 | CREDIARE S.A. CFI 0,00 2.000,00 0,00 CDB PRE DU CDB4227GIOM 24/04/2023<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 2.000,00 |
| 04 | 02 | PAGBANK CDB PRE DU CDB222CV2EF 11/05/2023 R$ 2.126,33<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 2.126,33 |
| 04 | 02 | BANCO C6 CONSIGNADO S.A. 0,00 2.000,00 0,00 CDB PRE DU CDB322EWPV8 15/08/2023<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 2.000,00 |
| 04 | 02 | PAGBANK CDB FLU CDB322KKLKA 04/09/2023 R$ 998,65<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 998,65 |

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**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.000,00 0,00 CDB PRE DU CDB3224G9NN 11/07/2024<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.000,00 |
| 04 | 02 | BANCO AGIBANK S.A CDB FLU CDB3216I3B1 22/07/2024 R$ 1.125,11<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.125,11 |
| 04 | 02 | PERNAMBUCANAS 0,00 1.000,00 0,00 FINANCIADORA S/A C CDB FLU CDB322FAXU1 15/08/2024<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.000,00 |
| 04 | 03 | BANCO BOCOM BBM SA 0,00 1.002,62 0,00 LCA PRE 22C01071475 28/03/2024<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.002,62 |
| 04 | 04 | INBR32 - INTER CO INC CLEAR CORRETORA - GRUPO XP 1139910 INBR32 BRINBRBDR007 - 101 BDR BANCO BRADESCO S/A 62 62 - - R$ 11,05 R$ 685,10 INBR32 - INTER CO INC XP INVESTIMENTOS CCTVM S/A 5402161 INBR32 BRINBRBDR007 - 101 BDR BANCO BRADESCO S/A 122 122 - - R$ 11,05 R$ 1.348,10<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: INBR32 | 13.924,78 | 2.033,20 |
| 06 | 01 | 5783-5 PARQUE DOS PODERES - MS 00.000.000/0001-91 01. CONTA CORRENTE E VGBL - VALORES EM REAIS ESPECIFICACAO CONTA CORRENTE SALDO EM 31/12/2021 SALDO EM 31/12/2022 5.812,08 559,22<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 00.000.000/0001-91<br>Banco: 001 Agência: 5783 Conta: 7167-6 | 5.812,08 | 559,22 |

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| 06 | 01 | BENS E DIREITOS INFORMACOES PARA DECLARACAO GRUPO DE BENS: 06 - DEPOSITO A VISTA E NUMERARIO CODIGO: 01 - DEPOSITO EM CONTA CORRENTE OU CONTA PAGAMENTO LOCALIZACAO: 105 - BRASIL<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 22.896.431/0001-10<br>Banco: 380 Agência: 0001 Conta: 8615836-8 | 201,17 | 163,66 |
| 06 | 01 | AGENCIA 2498 TOTAL 5.1. TOTAL 5 CONTA 5.136-5 SALDO EM 31/12/2021 1,00 SALDO EM 31/12/2022 1,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Banco: 237 Agência: 2498 Conta: 5136-5 | 1,00 | 1,00 |
| 06 | 01 | SALDO DE US$ 687.84 NA AVENUE CASH LLC (CONTA BANCARIA)<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Agência: Conta: | 0,00 | 3.588,53 |
| 06 | 99 | SALDO EM CONTA NA XP INVESTIMENTOS CCTVM S/A AGENCIA 0002 CONTA 1139910 SALDO EM 31/12/2020 R$ 73,14 SALDO EM 31/12/2021 R$ 3,14<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 3,14 | 1,90 |
| 06 | 99 | SALDO EM CONTA NA XP INVESTIMENTOS CCTVM S/A AG 0003 CC: 752404 SALDO EM 31/12/2020 TOTAL: 25,47 SALDO EM 31/12/2021 2,99<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 25,47 | 2,99 |
| 06 | 99 | SALDO DE US$ 5.38 NA CORRETORA AVENUE SECURITIES LLC (CONTA DE INVESTIMENTO)<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 15,57 | 28,07 |
| 06 | 99 | SALDO EM CONTA DE PAGAMENTO NA AVENUE MEIOS DE PAGAMENTO LTDA, CNPJ 28.444.640/0001-00 R$ 0,00 R$ 5.000,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 28.444.640/0001-00 | 0,00 | 5.000,00 |

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|---|---|---|---|---|
| 07 | 03 | BCFF11 - FDO INV IMOB - FII BTG PACTUAL FUNDO DE FUNDOS XP INVESTIMENTOS CCTVM S/A 5402161 BCFF11 11026627000138 BRBCFFCTF000 - 259 COTAS BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 100 100 - - R$ 66,26 R$ 6.626,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 11.026.627/0001-38<br>Negociados em Bolsa: Sim Código de Negociação: BCFF11 | 4.949,70 | 6.626,00 |
| 07 | 03 | HGLG11 - CSHG LOGISTICA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 HGLG11 11728688000147 BRHGLGCTF004 - 252 COTAS ITAU UNIBANCO S.A. 90 90 - - R$ 164,50 R$ 14.805,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 11.728.688/0001-47<br>Negociados em Bolsa: Sim Código de Negociação: HGLG11 | 8.528,00 | 14.805,00 |
| 07 | 03 | XPML11 - XP MALLS FDO INV IMOB FII XP INVESTIMENTOS CCTVM S/A 5402161 XPML11 28757546000100 BRXPMLCTF000 - 163 COTAS BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 50 50 - - R$ 95,68 R$ 4.784,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 28.757.546/0001-00<br>Negociados em Bolsa: Não | 3.977,20 | 4.784,00 |
| 07 | 03 | MXRF11 - MAXI RENDA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 MXRF11 97521225000125 BRMXRFCTF008 - 232 COTAS BTG PACTUAL SERVICOS FINANCEIROS S/A DTVM 707 707 - - R$ 10,09 R$ 7.133,63<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 97.521.225/0001-25<br>Negociados em Bolsa: Sim Código de Negociação: MXRF11 | 2.782,78 | 7.133,63 |
| 07 | 03 | KNRI11 - KINEA RENDA IMOBILIARIA FDO INV IMOB - FII XP INVESTIMENTOS CCTVM S/A 5402161 KNRI11 12005956000165 BRKNRICTF007 - 245 COTAS ITAU CV S/A 50 50 - - R$ 140,20 R$ 7.010,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 12.005.956/0001-65<br>Negociados em Bolsa: Sim Código de Negociação: KNRI11 | 3.121,58 | 7.010,00 |

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| 07 | 03 | HGFF11 - CSHG IMOB. FOF - FDO INV. IMOB. - FII XP INVESTIMENTOS CCTVM S/A 5402161 HGFF11 32784898000122 BRHGFFCTF008 - 142 COTAS ITAU CV S/A 50 50 - - R$ 71,82 R$ 3.591,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 32.784.898/0001-22<br>Negociados em Bolsa: Sim Código de Negociação: HGFF11 | 1.440,96 | 3.591,00 |
| 07 | 03 | RZTR11 - FUNDO DE INVESTIMENTO IMOBILIARIO RIZA TERRAX XP INVESTIMENTOS CCTVM S/A 5402161 RZTR11 36501128000186 BRRZTRCTF003 - 128 COTAS BANCO GENIAL S.A 26 26 - - R$ 100,00 R$ 2.600,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 36.501.128/0001-86<br>Negociados em Bolsa: Sim Código de Negociação: RZTR11 | 0,00 | 2.600,00 |
| 07 | 04 | XP FMP FGTS ELETROBRAS 45.088.790/0001-47 COD. 04<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 45.088.790/0001-47 | 0,00 | 1.669,71 |
| 07 | 09 | ETF VOO VANGUARD INDEX FDS S&P 500 ETF SHS 1.245 $ 449.04 R$ 5,2127 R$ 2.340,71<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Não | 1.873,49 | 2.340,71 |
| 07 | 09 | ETF GDX VANECK VECTORS ETF TR GOLD MINERS ETF 5.17 $ 166.42 R$ 5,0480 R$ 840,08<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: GDX | 391,75 | 840,08 |
| 07 | 09 | ETF IVV ISHARES TR CORE S&P500 ETF 1 $ 377.45 R$ 5,1744 R$ 1.953,07<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: IVV | 0,00 | 1.953,07 |
| 07 | 09 | ETF VWO VANGUARD INTL EQUITY INDEX FDS FTSE EMR MKT 8 $ 323.31 R$ 5,1930 R$ 1.678,92<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 0,00 | 1.678,92 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2021 | SITUAÇÃO EM 31/12/2022 |
|---|---|---|---|---|
| Negociados em Bolsa: Sim Código de Negociação: VWO | | | | |
| 07 | 99 | ARX ELBRUS ADVISORY 1.588,62 3.543,25 0,00 DEBENTURES I 32.319.627/0001-04 COD. 99 | 1.588,62 | 3.543,25 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 32.319.627/0001-04 | | | | |
| Negociados em Bolsa: Não | | | | |
| 08 | 01 | SALDO REFERENTE A 2021: R$ 1790,00 AQUISICAO DE 0.01367519 BTC EM 30-10-2022 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 1500,00 AQUISICAO DE 0.03219403 ETH EM 10-11-2022 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 3000,00 ATUALMENTE CUSTODIADOS NA CORRETORA BINANCE | 1.790,00 | 6.290,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | | | | |
| 08 | 02 | AQUISICAO DE 0.11239962 ETH EM 06-08-2022 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 1000,00 AQUISICAO DE 0.11847387 ETH EM 30-10-2022 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 1000,00 AQUISICAO DE 0.26227845 ETH EM 10-11-2022 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 1800,00 ATUALMENTE CUSTODIADOS NA CORRETORA BINANCE | 0,00 | 4.800,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | | | | |
| 08 | 03 | AQUISICAO DE 0.29925203 BNB EM 30-10-2022 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 500,00 ATUALMENTE CUSTODIADOS NA CORRETORA BINANCE | 0,00 | 500,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | | | | |
| **TOTAL** | | | 141.344,11 | 301.845,02 |

## DÍVIDAS E ÔNUS REAIS

Sem Informações

## DOAÇÕES A PARTIDOS POLÍTICOS E CANDIDATOS A CARGOS ELETIVOS

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DEMONSTRATIVO DE ATIVIDADE RURAL - BRASIL

### DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - BRASIL

Sem Informações

### RECEITAS E DESPESAS - BRASIL

Sem Informações

### APURAÇÃO DO RESULTADO - BRASIL

Sem Informações

### MOVIMENTAÇÃO DO REBANHO - BRASIL

Sem Informações

### BENS DA ATIVIDADE RURAL - BRASIL

Sem Informações

### DÍVIDAS VINCULADAS À ATIVIDADE RURAL - BRASIL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DEMONSTRATIVO DE ATIVIDADE RURAL - EXTERIOR

### DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - EXTERIOR

Sem Informações

### RECEITAS E DESPESAS - EXTERIOR

Sem Informações

### APURAÇÃO DO RESULTADO - EXTERIOR

Sem Informações

### MOVIMENTAÇÃO DO REBANHO - EXTERIOR

Sem Informações

### BENS DA ATIVIDADE RURAL - EXTERIOR

Sem Informações

### DÍVIDAS VINCULADAS À ATIVIDADE RURAL - EXTERIOR

Sem Informações

### DEMONSTRATIVO DA APURAÇÃO DOS GANHOS DE CAPITAL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - TITULAR

### GANHOS LÍQUIDOS OU PERDAS - JAN

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - FEV

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - MAR

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - ABR

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - MAI

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - JUN

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - JUL

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - AGO

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - SET

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - OUT

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - NOV

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - DEZ

Sem Informações

## RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - DEPENDENTES

Sem Informações

## FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - TITULAR

Sem Informações

## FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - DEPENDENTES

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## RESUMO — TRIBUTAÇÃO UTILIZANDO O DESCONTO SIMPLIFICADO

| | |
|---|---|
| **RENDIMENTOS TRIBUTÁVEIS E DESCONTO SIMPLIFICADO** | |
| Recebidos de Pessoa Jurídica pelo Titular | 201.638,80 |
| Recebidos de Pessoa Jurídica pelos Dependentes | 0,00 |
| Recebidos de Pessoa Física/Exterior pelo Titular | 0,00 |
| Recebidos de Pessoa Física/Exterior pelos Dependentes | 0,00 |
| Recebidos acumuladamente pelo titular | 0,00 |
| Recebidos acumuladamente pelos dependentes | 0,00 |
| Resultado tributável da Atividade Rural | 0,00 |
| TOTAL DE RENDIMENTOS TRIBUTÁVEIS | 201.638,80 |
| Desconto Simplificado | 16.754,34 |
| Base de cálculo do Imposto | 184.884,46 |
| Imposto devido | 40.410,90 |
| Imposto devido RRA | 0,00 |
| Aliquota efetiva (%) | 20,04 |
| Total do imposto devido | 40.410,90 |
| **IMPOSTO PAGO** | |
| Imposto retido na fonte do titular | 37.850,85 |
| Imp. retido na fonte dos dependentes | 0,00 |
| Carnê-Leao do titular | 0,00 |
| Carnê-Leao dos dependentes | 0,00 |
| Imposto Complementar | 0,00 |
| Imposto pago no exterior | 0,00 |
| Imposto retido na fonte (Lei nº 11.033/2004) | 0,00 |
| Imposto retido RRA | 0,00 |
| Total do imposto pago | 37.850,85 |
| **IMPOSTO A RESTITUIR** | 0,00 |
| **SALDO IMPOSTO A PAGAR** | 2.560,05 |
| **PARCELAMENTO** | |
| Valor da quota | 640,01 |
| Número de Quotas | 4 |

**INFORMAÇÕES BANCÁRIAS**

Débito automático: NÃO

Banco

Agência (sem DV)

Conta para débito

PROTEGIDA POR SIGILO FISCAL

**EVOLUÇÃO PATRIMONIAL**

| | |
|---|---|
| Bens e direitos em 31/12/2021 | 141.344,11 |
| Bens e direitos em 31/12/2022 | 301.845,02 |
| Dívidas e ônus reais em 31/12/2021 | 0,00 |
| Dívidas e ônus reais em 31/12/2022 | 0,00 |

**OUTRAS INFORMAÇÕES**

| | |
|---|---|
| Rendimentos isentos e não tributáveis | 112.583,73 |
| Rendimentos sujeitos à tributação exclusiva/definitiva | 11.761,37 |
| Rendimentos tributáveis - imposto com exigibilidade suspensa | 0,00 |
| Depósitos judiciais do imposto | 0,00 |
| Imposto pago sobre Ganhos de Capital | 0,00 |
| Imposto pago Ganhos de Capital Moeda Estrangeira - Bens, direitos e Aplicações Financeiras | 0,00 |
| Total do imposto retido na fonte (Lei nº11.033/2004), conforme dados informados pelo contribuinte | 0,00 |
| Imposto pago sobre Renda Variável | 0,00 |
| Doações a Partidos Políticos e Candidatos a Cargos Eletivos | |
| Imposto a pagar sobre o Ganho de Capital - Moeda Estrangeira em Espécie | 0,00 |
| Imposto diferido dos Ganhos de Capital | 0,00 |
| Imposto devido sobre Ganhos de Capital | 0,00 |
| Imposto devido sobre ganhos líquidos em Renda Variável | 0,00 |
| Imposto devido sobre Ganhos de Capital Moeda Estrangeira - Bens, direitos e aplic. financeiras | 0,00 |

PROTEGIDA POR SIGILO FISCAL

**NAME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **INCOME TAX - INDIVIDUAL**
**ANNUAL ADJUSTMENT DECLARATION** **TAX YEAR 2024** **CALENDAR YEAR 2023**

## TAXPAYER IDENTIFICATION

| | | | |
|---|---|---|---|
| Name: | RILLIAN DIELLO LUCAS PIRES | CPF: | 385.898.458-26 |
| Date of Birth: | 12/27/1990 | Voter ID: | 0373000750183 |
| Do you have a spouse or partner? | Yes | CPF of the spouse or partner: | 030.025.981-60 |

Were you a resident abroad and became a resident in Brazil in 2023? No

Have your registration details changed? Yes

Is one of the declarants a person with a serious illness or a physical or mental disability? No

| | | | |
|---|---|---|---|
| Address: | RUA TREZE DE JUNHO | Number: | 3015 |
| Unit: | HOUSE | Neighborhood/District: | MONTE CASTELO |
| City: | CAMPO GRANDE | State: | MS |
| ZIP Code: | 79010-200 | Area Code/Phone: | |
| E-mail: | RILLIANSF@GMAIL.COM | Area Code/Mobile: | (67) 99946-2784 |

| | |
|---|---|
| Occupation Type: | 12 - Owner of a company or sole proprietorship or employer-taxpayer |
| Main Occupation: | 212 - Systems analyst, software developer, network and database administrator, and other computer specialists (except technicians) |
| Type of Declaration: | Amended Declaration |

Receipt Number of the last declaration filed in the 2024 tax year: 01.46.26.25.16-92

## DEPENDENTS

No Information

## ALIMONY

No Information

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER

(Values in Reais)

| NAME OF THE PAYING SOURCE | INCOME RECEIVED FROM LEGAL ENTITY | OFFICIAL SOCIAL SECURITY CONTRIBUTION | WITHHELD TAX | 13th SALARY | INCOME TAX WITHHELD ON 13th SALARY |
|---|---|---|---|---|---|
| CI&T SOFTWARE S.A.<br>CNPJ/CPF: 00.609.634/0001-46 | 501,15 | 0,00 | 0,00 | 0,00 | 0,00 |
| APPNOVATION TECHNOLOGIES (BRAZIL) LTDA<br>CNPJ/CPF: 32.373.142/0001-90 | 64.150,31 | 2.631,66 | 14.309,54 | 5.489,52 | 883,11 |
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA<br>CNPJ/CPF: 38.299.888/0001-88 | 71.144,39 | 7.615,81 | 7.465,99 | 0,00 | 0,00 |
| **TOTAL** | 135.795,85 | 10.247,47 | 21.775,53 | 5.489,52 | 883,11 |

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY DEPENDENTS

No Information

**NAME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **INCOME TAX - INDIVIDUAL**
**ANNUAL ADJUSTMENT DECLARATION** **TAX YEAR 2024** **CALENDAR YEAR 2023**

**TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY THE TAXPAYER** (Values in Reais)

**NIT/PIS/PASEP*:** 165.35941.93-1

INCOMES

| | NON-SALARIED WORK | RENTALS | OTHERS | ABROAD |
|---|---|---|---|---|
| JAN | 0,00 | 0,00 | 0,00 | 0,00 |
| FEB | 0,00 | 0,00 | 0,00 | 5,22 |
| MAR | 0,00 | 0,00 | 0,00 | 124,38 |
| APR | 0,00 | 0,00 | 0,00 | 36,55 |
| MAY | 0,00 | 0,00 | 0,00 | 14,19 |
| JUN | 0,00 | 0,00 | 0,00 | 217,50 |
| JUL | 0,00 | 0,00 | 0,00 | 127,35 |
| AUG | 0,00 | 0,00 | 0,00 | 25,99 |
| SEP | 0,00 | 0,00 | 0,00 | 233,04 |
| OCT | 0,00 | 0,00 | 0,00 | 186,41 |
| NOV | 0,00 | 0,00 | 0,00 | 27,49 |
| DEC | 0,00 | 0,00 | 0,00 | 454,73 |
| TOTAL | 0,00 | 0,00 | 0,00 | 1.452,85 |

DEDUCTIONS — CARNÊ-LEÃO*

| | OFFICIAL PENSION | NUMBER OF DEPENDENTS | ALIMONY | CASH BOOK | PAID DARF* CODE 0190 |
|---|---|---|---|---|---|
| JAN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| FEB | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| APR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAY | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUL | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| AUG | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| SEP | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| OCT | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| NOV | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| DEC | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| TOTAL | 0,00 | | 0,00 | 0,00 | 0,00 |

* NIT - Worker's Identification Number

* PIS - Program for Social Integration

* PASEP - Public Servant's Property Formation Program

* CARNÊ-LEÃO - (Income tax that must be paid monthly, mandatorily, by individuals residing in Brazil who receive income from another individual or from abroad)

* DARF - Tax Payment Document

## TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY DEPENDENTS

No Information

## EXEMPT AND NON-TAXABLE INCOME

(Values in Reais)

04. Compensation for termination of employment contract, including under the PDV (Voluntary Dismissal Program), and for work-related accidents; and FGTS (Length-of-Service Guarantee Fund) — 45.650,04

| Beneficiary | CPF | CPF/CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 32.373.142/0001-90 | APPNOVATION TECHNOLOGIES (BRAZIL) LTDA | 45.650,04 |

09. Profits and received dividends — 5.005,92

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 140,99 |
| Taxpayer | 385.898.458-26 | 03.983.431/0001-03 | EDP - ENERGIAS DO BRASIL S.A. | 73,26 |
| Taxpayer | 385.898.458-26 | 07.859.971/0001-30 | TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S/A | 2,57 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 2.098,17 |
| Taxpayer | 385.898.458-26 | 33.592.510/0001-54 | VALE S.A. | 1.100,74 |
| Taxpayer | 385.898.458-26 | 50.746.577/0001-15 | COSAN S.A. | 165,43 |
| Taxpayer | 385.898.458-26 | 67.620.377/0001-14 | MINERVA S.A. | 355,32 |
| Taxpayer | 385.898.458-26 | 84.429.695/0001-11 | WEG SA | 100,65 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 217,56 |
| Taxpayer | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 751,23 |

12. Income from savings accounts, mortgage bonds, agribusiness, and real estate letters of credit (LCA and LCI), and certificates of agribusiness and real estate receivables (CRA and CRI) — 532,91

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 01.023.570/0001-60 | BANCO RABOBANK INTERNATIONAL BRASIL S/A | 63,61 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 1,79 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 47,62 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 419,89 |

13. Income of a partner or owner of a microenterprise or small business opting for Simples Nacional, except for pro labore, rents, and services rendered — 183.031,02

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 0,01 |
| Taxpayer | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 183.031,01 |

99. Others — 6.541,48

| Beneficiary | CPF | CPF/CNPJ of the Paying Source | Name of the Paying Source | Description | Amount |
|---|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 11.026.627/0001-38 | FUNDO DE INVESTIMENTO IMOBILIARIO - FII BTG PACTUAL FUNDO DE | REAL ESTATE INVESTMENT FUND | 672,00 |
| Taxpayer | 385.898.458-26 | 11.728.688/0001-47 | CSHG LOGISTICA - FUNDO DE INVESTIMENTO IMOBILIARIO - FII | HGLG11 EI HGLG13 (SUBSCRIPTION) | 1.716,94 |
| Taxpayer | 385.898.458-26 | 12.005.956/0001-65 | KINEA RENDA IMOBILIARIA FUNDO DE INVESTIMENTO IMOBILIARIO - | KNRI 11 | 839,80 |
| Taxpayer | 385.898.458-26 | 28.737.771/0001-85 | ALIANZA TRUST RENDA IMOBILIARIA - FUNDO DE INVESTIMENTO IMOB | REAL ESTATE INVESTMENT FUND ALZR11 | 549,97 |
| Taxpayer | 385.898.458-26 | 28.757.546/0001-00 | XP MALLS FUNDO DE INVESTIMENTO IMOBILIARIO - FII | XPML11 + XPML18 | 695,15 |
| Taxpayer | 385.898.458-26 | 32.784.898/0001-22 | CSHG IMOBILIARIO FOF - FUNDO DE INVESTIMENTO IMOBILIARIO - F | HGFF11 - CSHG IMOBILIARIO FOF REAL ESTATE INVESTMENT FUND | 522,30 |
| Taxpayer | 385.898.458-26 | 36.501.128/0001-86 | FUNDO DE INVESTIMENTO IMOBILIARIO RIZA TERRAX | RZTR11 | 378,36 |
| Taxpayer | 385.898.458-26 | 97.521.225/0001-25 | MAXI RENDA FUNDO DE INVESTIMENTO IMOBILIARIO - FII | MXRF11 + MXRF13 | 1.166,96 |

**TOTAL** 240.761,37

## INCOME SUBJECT TO EXCLUSIVE/DEFINITIVE TAXATION

(Values in Reais)

01. 13th salary 5.489,52

06. Income from financial investments 3.246,97

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 6,29 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 39,47 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 54,65 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 62,88 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 105,19 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 105,31 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 109,50 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE | 125,65 |

| | | | | |
|---|---|---|---|---|
| | | | CAMBIO, TITULOS E VALORES MOBI | |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 226,85 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 239,88 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 1.816,80 |
| Taxpayer | 385.898.458-26 | 09.346.601/0001-25 | B3 S.A. - BRAZIL, BOLSA, BALCAO | 19,71 |
| Taxpayer | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA S.A. - SOCIEDADE DE CREDITO, FINANCIAMENTO E I | 190,09 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S.A. PETROBRAS | 48,34 |
| Taxpayer | 385.898.458-26 | 33.264.668/0003-67 | BANCO XP S.A | 96,36 |

10. Interest on Equity 10.074,47

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 792,63 |
| Taxpayer | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 792,65 |
| Taxpayer | 385.898.458-26 | 03.983.431/0001-03 | EDP - ENERGIAS DO BRASIL S.A. | 233,75 |
| Taxpayer | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S.A. | 428,88 |
| Taxpayer | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S.A. | 428,88 |
| Taxpayer | 385.898.458-26 | 07.859.971/0001-30 | TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S/A | 107,84 |
| Taxpayer | 385.898.458-26 | 07.859.971/0001-30 | TRANSMISSORA ALIANCA S/A | 107,84 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 293,64 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S.A. PETROBRAS | 390,36 |
| Taxpayer | 385.898.458-26 | 33.592.510/0001-54 | VALE S.A. | 939,29 |
| Taxpayer | 385.898.458-26 | 33.592.510/0001-54 | VALE S/A | 899,58 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 1.064,65 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 745,32 |
| Taxpayer | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S.A. | 335,02 |
| Taxpayer | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S/A | 335,02 |
| Taxpayer | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 1.189,11 |
| Taxpayer | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA - SANEPAR | 344,14 |
| Taxpayer | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA SANEPAR | 203,15 |
| Taxpayer | 385.898.458-26 | 84.429.695/0001-11 | WEG S/A | 71,07 |
| Taxpayer | 385.898.458-26 | 84.429.695/0001-11 | WEG SA | 47,13 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 71,95 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 101,84 |
| Taxpayer | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 75,36 |
| Taxpayer | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 75,37 |

11. Participation in profits or results 501,15

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.609.634/0001-46 | CI&T SOFTWARE S.A. | 501,15 |

**TOTAL** 19.312,11

### TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER (TAX WITH SUSPENDED EXIGIBILITY)

No Information

### TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE DEPENDENTS (TAX WITH SUSPENDED EXIGIBILITY)

No Information

### TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE TAXPAYER

No Information

### TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE DEPENDENTS

No Information

### TAX PAID / WITHHELD

(Values in Reais)

| | |
|---|---|
| 01. Complementary Tax: | 0,00 |
| 02. Tax paid abroad | 446,97 |
| Tax due with income abroad | 22.578,81 |
| Tax due without income abroad | 22.179,28 |
| Difference to be considered for tax calculation (legal limit) | 399,53 |
| 03. Income Tax Withheld at Source (Law 11.033/2004): | 0,00 |
| 04. Income Tax Withheld at Source for the Taxpayer | 21.775,53 |
| 05. Income Tax Withheld at Source for the Dependents | 0,00 |
| 06. Taxpayer's Carnê-Leão | 0,00 |
| 07. Dependent's Carnê-Leão | 0,00 |

### PAYMENTS MADE

(Values in Reais)

| CODE | BENEFICIARY NAME | BENEFICIARY CPF/CNPJ | AMOUNT PAID | NON-DEDUCTIBLE PORTION |
|---|---|---|---|---|
| Taxpayer | | | | |
| 10 | ALLAN KARDEC CORDEIRO | 275.159.311-91 | 1.000,00 | 0,00 |
| Description: | ORTHOPEDIC CONSULTATIONS PERFORMED ON 12/01/2023 AND 12/22/2023. OF WHICH ON 12/01 THE AMOUNTS WERE R$ 300,00 AND R$ 400,00 REFERRING TO EXAMS SUCH AS X-RAY AND IMMOBILIZATION SPLINT. AND ON 12/22/2023 A FOLLOW-UP APPOINTMENT WAS HELD FOR SPLINT REMOVAL. PAYMENTS MADE VIA CREDIT CARD. | | | |
| 21 | REINVENT CLINIC LTDA | 22.213.252/0001-31 | 2.500,00 | 0,00 |
| Description: | REINVENT CLINIC 22.213.252/0001-31 DENTAL TREATMENT – DR. NATHALIA BIAVA - REINVENT SORRISOS | | | |

### DONATIONS MADE

No Information

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 01 | 11 | A FRACTION OF A FRACTIONAL OWNERSHIP PROPERTY WITH THE COMPANY: JERI-1 EMPREENDIMENTO IMOBILIARIO SPE LTDA, CPNJ: 33.578.977/0001-40. ACQUIRED ON 09/21/2023 | 0,00 | 5.206,27 |

105 - Brazil

Municipal Registration (IPTU):

Address: ROD CE 182 FZ. CAICARA GLEBA I
No.: Unnumbered
Unit: BLOCO 02-308-09
Neighborhood:
City: CRUZ
State: CE ZIP Code: 62595-000
Total Area: 0,0
Acquisition Date: 09/21/2023
Registered at the Registry Office: No

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 01 | 13 | 50% OF LOT NO. 39 IN THE PARAISO DA SERRA CONDOMINIUM, LOCATED IN THE PORTION OF LOT 13 OF THE URBAN CENTER OF COLONIA DO PAXIXI, IN THE DISTRICT OF CAMISAO, AQUIDAUANA - MS. REFERRING TO THE FRACTION OF THE 22-HA PROPERTY, UNDER REGISTRATION NUMBER 4218 OF THE REAL ESTATE REGISTRY OFFICE OF THE 1ST NOTARY SERVICE OF THE JUDICIAL DISTRICT OF AQUIDAUANA - MS. DIMENSIONS 12 BY 21.67 TOTAL AREA 260. TOTAL VALUE R$ 30.000,00, SHARE R$ 15.000,00 | 0,00 | 15.000,00 |

105 - Brazil

Municipal Registration (IPTU):

Address: COLONIA PAXIXI, DISTRICT OF CAMISAO
No.: N/A
Unit: NUCLEO URBANO
Neighborhood: CAMISAO
City: AQUIDAUANA
State: MS ZIP Code: 79202-000
Total Area: 260,0 m²
Acquisition Date: 02/13/2023
Registered at the Registry Office: No

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | GRND3 - GRENDENE S.A. ON XP INVESTIMENTOS CCTVM S/A 700 R$ 7,07 R$ 4.949,00 | 3.618,00 | 4.949,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 89.850.341/0001-60
Exchange-Traded: Yes Trading Code: GRND3

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | FLRY3 - FLEURY S.A. ON XP INVESTIMENTOS CCTVM S/A 917 R$ 18,04 R$ 16.542,68 | 9.316,35 | 16.542,68 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 60.840.055/0001-31
Exchange-Traded: Yes Trading Code: FLRY3

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | AESB3 - AES BRASIL ENERGIA S.A. ON XP INVESTIMENTOS CCTVM S/A 869 R$ 12,32 R$ 10.706,08 | 7.023,57 | 10.706,08 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 04.128.563/0001-10
Exchange-Traded: Yes Trading Code: AESB3

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | KLBN4 - KLABIN S.A. PN XP INVESTIMENTOS CCTVM S/A 1351 R$ 4,41 R$ 5.957,91 | 4.124,52 | 5.957,91 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 89.637.490/0001-45
Exchange-Traded: Yes Trading Code: KLBN4

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | VIIA3 - VIA S.A CLEAR BROKER - GRUPO XP 1139910 VIIA3 33041260065290 BRVIIAACNOR7 - 101 ON ITAU CV S/A 97 97 - - R$ 2,40 R$ 232,80 | 232,80 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 33.041.260/0652-90
Exchange-Traded: Yes Trading Code: VIIA3

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | BEEF3 - MINERVA S.A. ON XP INVESTIMENTOS CCTVM S/A 645 R$ 7,47 R$ 4.818,15 | 6.661,44 | 4.818,15 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 67.620.377/0001-14
Exchange-Traded: Yes Trading Code: BEEF3

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | ENBR3 - EDP - ENERGIAS DO BRASIL S.A. CLEAR BROKER - GRUPO XP 1139910 ENBR3 03983431000103 BRENBRACNOR2 - 133 ON ITAU CV S/A 220 220 - - R$ 20,79 R$ 4.573,80 | 4.573,80 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 03.983.431/0001-03
Exchange-Traded: Yes Trading Code: ENBR3

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | SAPR4 - CIA SANEAMENTO DO PARANA - SANEPAR PN XP INVESTIMENTOS CCTVM S/A 1409 R$ 5,89 R$ 8.299,01 | 3.785,05 | 8.299,01 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 76.484.013/0001-45
Exchange-Traded: Yes Trading Code: SAPR4

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | ABEV3 - AMBEV S.A. ON XP INVESTIMENTOS CCTVM S/A 691 R$ 13,73 R$ 9.487,43 | 6.635,64 | 9.487,43 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 07.526.557/0001-00
Exchange-Traded: Yes Trading Code: ABEV3

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | BBDC4 - BCO BRADESCO S.A. PN XP INVESTIMENTOS CCTVM S/A 1168 R$ 17,09 R$ 19.961,12 | 11.347,35 | 19.961,12 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 60.746.948/0001-12
Exchange-Traded: Yes Trading Code: BBDC4

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | STOCK AAPL APPLE INC. 11.95294 $ 1,855.91 R$ 5,1281 R$ 9.517,37 | 3.390,53 | 9.517,37 |

249 - United States
Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No
Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: Yes Trading Code: AAPL

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK AMZN AMAZON.COM INC. 16.1867 $ 1,897.84 R$ 5,0904 R$ 9.660,84 | 5.059,47 | 9.660,84 |

249 - United States
Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No
Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: Yes Trading Code: AMZN

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK BRKB BERKSHIRE HATHAWAY INC DEL CL B 11.55629 $ 3,534.70 R$ 5,0575 R$ 17.876,78 | 4.343,95 | 17.876,78 |

249 - United States
Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No
Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: Yes Trading Code: BRKB

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | STOCK MSFT MICROSOFT CORP COM 7.568 $ 2,110.81 R$ 5,0934 R$ 10.751,18 | 3.641,63 | 10.751,18 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: MSFT

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK TSLA TESLA INC COM 8.32034 $ 1,929.94 R$ 5,1831 R$ 10.003,05 | 4.964,76 | 10.003,05 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: TSLA

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | ITSA4 - ITAUSA S.A. CLEAR BROKER - GRUPO XP 1139910 ITSA4 61532644000115 BRITSAACNPR7 - 436 PN ITAU CV S/A 0,75 0,75 - - R$ 10,37 R$ 7,77 ITSA4 - ITAUSA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 ITSA4 61532644000115 BRITSAACNPR7 - 436 PN ITAU CV S/A 0,25 0,25 - - R$ 10,37 R$ 2,59 ITSA4 - ITAUSA S.A. XP INVESTIMENTOS CCTVM S/A 11327225 ITSA4 61532644000115 BRITSAACNPR7 - 436 PN ITAU C 2561 2561 - - R$ 10,37 R$ 26.557,57 | 17.113,61 | 26.567,93 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 61.532.644/0001-15

Exchange-Traded: Yes Trading Code: ITSA4

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | PETR4 - PETROLEO BRASILEIRO S.A. PETROBRAS PN XP INVESTIMENTOS CCTVM S/A 335 R$ 37,24 R$ 12.475,40 | 7.472,50 | 12.475,40 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 33.000.167/0001-01

Exchange-Traded: Yes Trading Code: PETR4

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | VALE3 - VALE S.A. ON XP INVESTIMENTOS CCTVM S/A 410 R$ 77,20 R$ 31.652,00 | 16.620,56 | 31.652,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 33.592.510/0001-54
Exchange-Traded: Yes Trading Code: VALE3

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | SHOW3 - T4F ENTRETENIMENTO S.A. XP INVESTIMENTOS CCTVM S/A 5402161 SHOW3 02860694000162 BRSHOWACNOR7 - 105 ON BANCO BRADESCO S/A 200 200 - - R$ 2,39 R$ 478,00 | 478,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.860.694/0001-62
Exchange-Traded: Yes Trading Code: SHOW3

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK DIS DISNEY WALT CO COM DISNEY 7.2725 $ 760.87 R$ 5,0255 R$ 3.823,73 | 1.749,14 | 3.823,73 |

249 - United States
Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No
Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: Yes Trading Code: DIS

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | BBAS3 - BCO BRASIL S.A. ON XP INVESTIMENTOS CCTVM S/A 250 R$ 55,39 R$ 13.847,50 | 7.987,90 | 13.847,50 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 00.000.000/0001-91
Exchange-Traded: Yes Trading Code: BBAS3

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | CSAN3 - COSAN S.A. ON XP INVESTIMENTOS CCTVM S/A 386 R$ 19,36 R$ 7.472,96 | 6.608,32 | 7.472,96 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 50.746.577/0001-15
Exchange-Traded: Yes Trading Code: CSAN3

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | WEGE3 - WEG S.A. ON XP INVESTIMENTOS CCTVM S/A 371 R$ 36,91 R$ 13.693,61 | 8.703,26 | 13.693,61 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 84.429.695/0001-11
Exchange-Traded: Yes Trading Code: WEGE3

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK GOOGL ALPHABET INC. (CLASS A) 14.7952 $ 1,433.82 R$ 5,1087 R$ 7.324,95 | 2.757,99 | 7.324,95 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No
Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: Yes Trading Code: GOOGL

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK KO COCA COLA CO COM 17 $ 1,035.53 R$ 5,1218 R$ 5.303,83 | 3.071,95 | 5.303,83 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No
Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: Yes Trading Code: KO

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK MCD MCDONALDS CORP. 3.198 $ 894.86 R$ 5,1327 R$ 4.593,02 | 2.867,55 | 4.593,02 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: MCD

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK XOM EXXON MOBIL CORP. 22.01637 $ 2,395.18 R$ 5,0864 R$ 12.182,88 | 3.916,40 | 12.182,88 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: XOM

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | TAEE4 - TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S.A. PN XP INVESTIMENTOS CCTVM S/A 743 R$ 12,83 R$ 9.532,69 | 0,00 | 9.532,69 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 07.859.971/0001-30

Exchange-Traded: Yes Trading Code: TAEE4

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK BAC BANK OF AMERICA CORP 35.05 $ 1,119.65 R$ 5,0756 R$ 5.682,91 | 0,00 | 5.682,91 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: BAC

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK FTNT FORTINET 7.75409 $ 475.12 R$ 5,1415 R$ 2.442,82 | 0,00 | 2.442,82 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: FTNT

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK META META PLATFORMS 2.71093 $ 860.40 R$ 4,8386 R$ 4.163,16 | 0,00 | 4.163,16 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: META

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK NSSC NAPCO SECURITY 12.53268 $ 429.18 R$ 5,1201 R$ 2.197,44 | 0,00 | 2.197,44 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: NSSC

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK NVDA NVIDIA CORPORATION 4.08919 $ 1,201.10 R$ 5,0340 R$ 6.046,30 | 0,00 | 6.046,30 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: NVDA

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 1.37620762 SHARES OF AVALONBAY COMMUNITIES INC. (AVB) HELD IN CUSTODY AT DRIVEWEALTH, LLC BROKER. TOTAL ACQUISITION COST OF US$ 261,66 AT AN AVERAGE DOLLAR EXCHANGE RATE OF R$ 4,8475. R$ 1.268,41 | 0,00 | 1.268,41 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: AVB

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 21.30030196 SHARES OF GLOBAL MEDICAL REIT, (GMRE) HELD IN CUSTODY AT DRIVEWEALTH, LLC BROKER. TOTAL ACQUISITION COST OF US$ 198,52 AT AN AVERAGE DOLLAR EXCHANGE RATE OF R$ 4,8502 R$ 962,87 | 0,00 | 962,87 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: GMRE

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 9.99515778 SHARES OF REALTY INCOME CORPORATION (O) HELD IN CUSTODY AT DRIVEWEALTH, LLC BROKER. TOTAL ACQUISITION COST OF US$ 598,60 AT AN AVERAGE DOLLAR EXCHANGE RATE OF R$ 4,7799 CLOSING VALUE 12/31/2023 R$ 2.861,25 | 0,00 | 2.861,25 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: O

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 01 | 2.99917879 SHARES OF SIMON PROPERTY GROUP INC. (SPG) HELD IN CUSTODY AT DRIVEWEALTH, LLC BROKER. TOTAL ACQUISITION COST OF US$ 339,60 AT AN AVERAGE DOLLAR EXCHANGE RATE OF R$ 4,8149. CLOSING VALUE 12/31/2023 R$ 0,00 R$ 1.635,13 | 0,00 | 1.635,13 |

249 - United States

Trust or foreign-controlled entity whose assets and rights will be individually reported and detailed in this declaration, in accordance with Articles 8 and 11 of Law No. 14,754, of 2023: No

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: SPG

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| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 03 | 02 | MANAGING PARTNER WITH 1000 SHARES | 1.000,00 | 1.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 38.299.888/0001-88

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| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 01 | CPF: 38589845826 NAME: RILLIAN DIELLO LUCAS PIRES SAVINGS ACCOUNT BALANCE AS OF 12/31/2021 R$ 22,70 BALANCE AS OF 12/31/2022 R$ 15.798,56 RETURN R$ 25,30 | 15.798,56 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 60.746.948/0001-12

Brank: 237 Branch: 2498 Account: 5136-5

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| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 01 | SAVINGS ACCOUNT 2202 397.714-5 SALDO 12/31/2022 R$ 0,00 SALDO 12/31/2023 R$ 208,36 RETURN: R$ 419,89 | 0,00 | 208,36 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 60.746.948/0001-12

Brank: 237 Branch: 2202 Account: 397714-5

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**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 01 | SAVINGS ACCOUNT 5307 17.714-8 BALANCE AS OF 12/31/2022: R$ 0,00 BALANCE AS OF 12/31/2023: R$ 0,00 RETURN: R$ 47,62 | 0,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 60.746.948/0001-12

Brank: 237 Branch: 5307 Account: 17714-8

| | | | | |
|---|---|---|---|---|
| 04 | 02 | PRODUCT INDEX QTY UPDATED VALUE IPCA+ 2024 IPCA 0,32 R$ 1.284,57 IPCA+ 2026 IPCA 2,16 R$ 7.893,84 IPCA+ 2029 IPCA 2,99 R$ 9.490,94 IPCA+ 2030 IPCA 0,19 R$ 843,41 IPCA+ 2032 IPCA 1,23 R$ 5.468,14 IPCA+ 2040 IPCA 0,73 R$ 3.297,44 PREFI 2025 PREF 4,16 R$ 3.781,00 PREFI 2026 PREF 0,71 R$ 588,99 SELIC 2025 SELIC 0,1 R$ 1.427,32 SELIC 2026 SELIC 0,21 R$ 2.994,43 SELIC 2027 SELIC 0,34 R$ 4.833,67 TOTAL R$ 41.903,75 | 24.317,69 | 41.903,75 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. 1.000,00 1.000,00 0,00 CDB PRE CDB420B37AD 11/19/2023 | 1.000,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | COMPANY NAME NU FINANCEIRA S.A. CNPJ 30.680.829/0001-43 BRANCH: 0001 ACCOUNT: 1998778-1 | 3.667,63 | 590,04 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

CNPJ: 30.680.829/0001-43

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B379T 11/18/2024 | 1.000,00 | 1.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

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| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.077,57 0,00 CDB PRE DU CDB122B3WRD 02/15/2023 | 1.077,57 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

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| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A CDB PRE DU CDB122BI81D 02/16/2023 R$ 1000,00 | 1.000,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

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| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.051,40 0,00 CDB PRE DU CDB122C5LEV 02/22/2023 | 1.051,40 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

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| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | PAGBANK CDB PRE DU CDB122KMVCO 03/23/2023 R$ 1.069,48 | 1.069,48 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | CREDIARE S.A. CFI 0,00 2.000,00 0,00 CDB PRE DU CDB4227GIOM 04/24/2023 | 2.000,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | PAGBANK CDB PRE DU CDB222CV2EF 05/11/2023 R$ 2.126,33 | 2.126,33 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 CONSIGNADO S.A. 0,00 2.000,00 0,00 CDB PRE DU CDB322EWPV8 08/15/2023 | 2.000,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | PAGBANK CDB FLU CDB322KKLKA 09/04/2023 R$ 998,65 | 998,65 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.000,00 0,00 CDB PRE DU CDB3224G9NN 11/07/2024 | 1.000,00 | 1.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 92.894.922/0001-08

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO AGIBANK S.A CDB FLU CDB3216I3B1 07/22/2024 R$ 1.125,11 | 1.125,11 | 1.125,11 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | PERNAMBUCANAS 0,00 1.000,00 0,00 FINANCIADORA S/A C CDB FLU CDB322FAXU1 08/15/2024 | 1.000,00 | 1.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB323MK8FR 05/19/2025 | 0,00 | 1.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 61.348.538/0001-86

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB323MK8F2 08/17/2026 | 0,00 | 1.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 61.348.538/0001-86

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB123BUWJ0 02/05/2025 2.000,00 | 0,00 | 2.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 61.348.538/0001-86

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO MASTER S/A CDB FLU CDB2237BYBV 04/18/2028 2.001,19 | 0,00 | 2.001,19 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 33.923.798/0001-00

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO PINE S/A CDB FLU CDB1230YEW6 01/03/2025 R$ 1.000,00 | 0,00 | 1.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 62.144.175/0001-20

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BIORC FINANCEIRA CREDITO FINANCI CDB FLU CDB223TI10C 06/18/2024 3.000,00 | 0,00 | 3.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 11.285.104/0001-06

| | | | | |
|---|---|---|---|---|
| 04 | 02 | WILL FINANCEIRA LC FLU LC001900WST 10/15/2024 R$ 1.300,68 | 0,00 | 1.300,68 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 36.272.465/0001-49

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO XP S.A. CDB FLU CDB2234LO1R, REDEMPTION DATE: 06/12/2023, RETURN: R$ 96,36 | 0,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 33.264.668/0003-67

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 03 | BANCO BOCOM BBM SA 0,00 1.002,62 0,00 LCA PRE 22C01071475 03/28/2024 | 1.002,62 | 1.002,62 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 03 | BANCO PAULISTA LCA 23K02440085 11/27/2024 R$3.000,00 | 0,00 | 3.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 61.820.817/0001-09

| | | | | |
|---|---|---|---|---|
| 04 | 03 | BANCO BTG PACTUAL LCA 23C00368682 03/07/2025 R$ 2000,00 | 0,00 | 2.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 30.306.294/0001-45

| | | | | |
|---|---|---|---|---|
| 04 | 03 | BANCO BTG PACTUAL LCA 23K01957083 11/20/2024 R$ 1.000,00 | 0,00 | 1.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 30.306.294/0001-45

| | | | | |
|---|---|---|---|---|
| 04 | 03 | BARI COMPANHIA HIPOTECARIA LCI 23C02666541 03/30/2026 R$ 2.000,00 | 0,00 | 2.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 14.511.781/0001-93

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 04 | 03 | BARI COMPANHIA HIPOTECARIA LCI 23C00367669 03/09/2026 R$ 2.000,00 | 0,00 | 2.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 14.511.781/0001-93

| | | | | |
|---|---|---|---|---|
| 04 | 03 | BANCO RABOBANK INT BR LCA PRE 22K01422287 REDEMPTION DATE: 11/27/2023. POSITION AS OF 12/31/2022 R$ 0,00 POSITION AS OF 12/31/2023 R$ 0,00 RETURN R$ 63,61 | 0,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 01.023.570/0001-60

| | | | | |
|---|---|---|---|---|
| 04 | 04 | INBR32 - INTER CO INC CLEAR BROKER - GRUPO XP 1139910 INBR32 BRINBRBDR007 - 101 BDR BANCO BRADESCO S/A 62 62 - - R$ 11,05 R$ 685,10 INBR32 - INTER CO INC XP INVESTIMENTOS CCTVM S/A 5402161 INBR32 BRINBRBDR007 - 101 BDR BANCO BRADESCO S/A 122 122 - - R$ 11,05 R$ 1.348,10 | 2.033,20 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: Yes Trading Code: INBR32

| | | | | |
|---|---|---|---|---|
| 06 | 01 | 5783-5 PARQUE DOS PODERES - MS 00.000.000/0001-91 01. CHECKING ACCOUNT AND VGBL - VALUES IN REAIS CHECKING ACCOUNT DESCRIPTION BALANCE AS OF 12/31/2022 R$ 559,22 BALANCE AS OF 12/31/2023 R$ 86,07 | 559,22 | 86,07 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 00.000.000/0001-91

Brank: 001 Branch: 5783 Account: 7167-6

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 06 | 01 | REPORTED BY CNPJ 02.332.886/0001-04<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04<br>Brank: 102 Branch: 0003 Account: 113991-0 | 0,00 | 168,13 |
| 06 | 01 | ASSETS AND RIGHTS INFORMATION FOR DECLARATION ASSET GROUP: 06 - DEMAND DEPOSITS AND CASH CODE: 01 - CHECKING ACCOUNT OR PAYMENT ACCOUNT DEPOSIT LOCATION: 105 - Brazil<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 22.896.431/0001-10<br>Brank: 380 Branch: 0001 Account: 8615836-8 | 163,66 | 0,00 |
| 06 | 01 | BRANCH 2498 TOTAL 5.1. TOTAL 5 ACCOUNT 5.136-5 BALANCE AS OF 12/31/2021 1,00 BALANCE AS OF 12/31/2022 1,00<br>105 - Brazil<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Brank: 237 Branch: 2498 Account: 5136-5 | 1,00 | 0,00 |
| 06 | 01 | US$ 0,00 BALANCE AT AVENUE CASH LLC (BANK ACCOUNT)<br>249 - United States<br>Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No<br>Asset or right belonging to: Taxpayer CPF: 385.898.458-26<br>Branch: Account: | 3.588,53 | 0,00 |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 06 | 01 | BANK DEPOSIT IN DOMESTIC CHECKING ACCOUNT CHECKING ACCOUNT DEPOSIT BRADESCO BRANCH ACCOUNT 2202 397.714-5 R$: 1,00 | 0,00 | 1,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 60.746.948/0001-12

Brank: 237 Branch: 2202 Account: 397714-5

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| | | | | |
|---|---|---|---|---|
| 06 | 01 | MERCADO PAGO ACCOUNT 12/31/2022 R$ 5,00 12/31/2023 R$ 17,59 | 5,00 | 17,59 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 10.573.521/0001-91

Brank: 323 Branch: 0001 Account: 4769357377-8

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| | | | | |
|---|---|---|---|---|
| 06 | 01 | 06 AND 01 249 - USA BALANCE OF US$ 1,84 AT DRIVEWEALTH, LLC BROKER, R$ 0,00 R$ 8,91 CONVERTED AT THE PTAX RATE OF R$ 4,8407 AS OF 12/31/2023. | 0,00 | 8,91 |

249 - United States

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Branch: Account:

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| | | | | |
|---|---|---|---|---|
| 06 | 99 | REPORTED BY CNPJ 02.332.886/0001-04 | 0,00 | 1.227,46 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

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| | | | | |
|---|---|---|---|---|
| 06 | 99 | XP INVESTIMENTOS CCTVM S/A ACCOUNT BALANCE BRANCH 0002 ACCOUNT 1139910 BALANCE AS OF 12/31/2022 R$ 1,90 BALANCE AS OF 12/31/2023 R$ 168,13 | 1,90 | 168,13 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 06 | 99 | XP INVESTIMENTOS CCTVM S/A ACCOUNT BALANCE BRANCH 0003 CHECKING ACCOUNT: 752404 BALANCE AS OF 12/31/2020 TOTAL: 25,47 BALANCE AS OF 12/31/2021 2,99 | 2,99 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 06 | 99 | US$ 13.22 BALANCE AT AVENUE SECURITIES LLC BROKER (INVESTMENT ACCOUNT) | 28,07 | 63,99 |

249 - United States

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 06 | 99 | ACCOUNT BALANCE AT DISTRIBUIDORA AVENUE SECURITIES R$ 5.000,00 R$ 0,00 DTVM LTDA, CNPJ 61.384.004/0001-05 | 5.000,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ: 61.384.004/0001-05

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 03 | BCFF11 - FDO INV IMOB - FII BTG PACTUAL FUNDO DE FUNDOS COTAS XP INVESTIMENTOS CCTVM S/A 800 R$ 9,37 R$ 7.496,00 | 6.626,00 | 7.496,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ do Fundo: 11.026.627/0001-38
Exchange-Traded: Yes Trading Code: BCFF11

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 03 | HGLG11 - CSHG LOGISTICA FDO INV IMOB - FII COTAS XP INVESTIMENTOS CCTVM S/A 150 R$ 161,99 R$ 24.298,50 | 14.805,00 | 24.298,50 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ do Fundo: 11.728.688/0001-47
Exchange-Traded: Yes Trading Code: HGLG11

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 03 | XPML11 - XP MALLS REAL ESTATE INVESTMENT FUND SHARE XP INVESTIMENTOS CCTVM S/A 91 R$ 117,12 R$ 10.657,92 | 4.784,00 | 10.657,92 |
| 105 - Brazil | | | | |
| Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 28.757.546/0001-00 | | | | |
| Exchange-Traded: No | | | | |
| 07 | 03 | MXRF11 - MAXI RENDA REAL ESTATE INVESTMENT FUND SHARE XP INVESTIMENTOS CCTVM S/A 1085 R$ 10,57 R$ 11.468,45 MXRF13 - MAXI RENDA FDO INV IMOB - FII RECIBO XP INVESTIMENTOS CCTVM S/A 10 R$ 10,29 R$ 102,90 | 7.133,63 | 11.571,35 |
| 105 - Brazil | | | | |
| Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 97.521.225/0001-25 | | | | |
| Exchange-Traded: Yes Trading Code: MXRF11 | | | | |
| 07 | 03 | KNRI11 - KINEA RENDA IMOBILIARIA REAL ESTATE INVESTMENT FUND SHARE XP INVESTIMENTOS CCTVM S/A 80 R$ 165,50 R$ 13.240,00 | 7.010,00 | 13.240,00 |
| 105 - Brazil | | | | |
| Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 12.005.956/0001-65 | | | | |
| Exchange-Traded: Yes Trading Code: KNRI11 | | | | |
| 07 | 03 | HGFF11 - CSHG IMOB. FOF - REAL ESTATE INVESTMENT FUND SHARE XP INVESTIMENTOS CCTVM S/A 83 R$ 87,95 R$ 7.299,85 | 3.591,00 | 7.299,85 |
| 105 - Brazil | | | | |
| Asset or right belonging to: Taxpayer CPF: 385.898.458-26 | | | | |
| CNPJ do Fundo: 32.784.898/0001-22 | | | | |
| Exchange-Traded: Yes Trading Code: HGFF11 | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 03 | RZTR11 - RIZA TERRAX REAL ESTATE INVESTMENT FUND SHARE XP INVESTIMENTOS CCTVM S/A 42 R$ 108,40 R$ 4.552,80 | 2.600,00 | 4.552,80 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ do Fundo: 36.501.128/0001-86
Exchange-Traded: Yes Trading Code: RZTR11

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 03 | ALZR11 - ALIANZA TRUST RENDA IMOBILIARIA REAL ESTATE INVESTMENT FUND SHARE XP INVESTIMENTOS CCTVM S/A 80 R$ 117,64 R$ 9.411,20 | 0,00 | 9.411,20 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ do Fundo: 28.737.771/0001-85
Exchange-Traded: Yes Trading Code: ALZR11

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 04 | XP FMP FGTS ELETROBRAS 45.088.790/0001-47 COD. 04 | 1.669,71 | 1.669,71 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ do Fundo: 45.088.790/0001-47

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF VOO VANGUARD INDEX FDS S&P 500 ETF SHS 5.26866 $ 1,965.33 R$ 5,0687 R$ 9.961,75 | 2.340,71 | 9.961,75 |

249 - United States

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: No

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF GDX VANECK VECTORS ETF TR GOLD MINERS ETF 17.64294 $ 586.94 R$ 5,0488 R$ 2.963,35 | 840,08 | 2.963,35 |

249 - United States

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No
Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Exchange-Traded: Yes Trading Code: GDX

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF IVV ISHARES TR CORE S&P500 ETF 2 $ 779.58 R$ 5,1259 R$ 3.996,04 | 1.953,07 | 3.996,04 |

249 - United States

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: IVV

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF VWO VANGUARD INTL EQUITY INDEX FDS FTSE EMR MKT 25.572 $ 1,041.86 R$ 5,0549 R$ 5.266,45 | 1.678,92 | 5.266,45 |

249 - United States

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: VWO

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF BSV VANGUARD SHORT-TERM BOND INDEX FUND ETF 4 $ 308.00 R$ 4,8306 R$ 1.487,82 | 0,00 | 1.487,82 |

249 - United States

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: BSV

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF VNQ VANGUARD INDEX FDS REAL ESTATE ETF 9.64245 $ 815.36 R$ 4,8956 R$ 3.991,68 | 0,00 | 3.991,68 |

249 - United States

Option to update the value of the asset or right abroad to its market value as of 12/31/2023, in accordance with Article 14 of Law No. 14,754, of 2023: No

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Exchange-Traded: Yes Trading Code: VNQ

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 07 | 99 | ARX ELBRUS ADVISORY 1.588,62 3.543,25 0,00 DEBENTURES I 32.319.627/0001-04 COD. 99 | 3.543,25 | 4.273,25 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
CNPJ do Fundo: 32.319.627/0001-04
Exchange-Traded: No

| | | | | |
|---|---|---|---|---|
| 08 | 01 | BALANCE FOR 2021: R$ 6290,00 ACQUISITION OF 0,16574420 BTC ON 2023-02-02 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 2000,00 THROUGH BINANCE BROKER TOTAL AMOUNT: 0,16618010 BTC ON 2023-03-23 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 2500,00 CURRENTLY HELD IN CUSTODY AT BINANCE BROKER | 6.290,00 | 10.790,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Custodian CNPJ: 37.512.394/0001-77

Self-custody: No

| | | | | |
|---|---|---|---|---|
| 08 | 02 | ACQUISITION OF 0,17673851 ETH EM 2023-02-02 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 1500,00 ACQUISITION OF 0,13442133 ETH EM 2023-03-23 THROUGH BINANCE BROKER TOTAL AMOUNT: R$ 1300,00 | 4.800,00 | 7.800,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Custodian CNPJ: 37.512.394/0001-77

Self-custody: No Code Altcoin: ETH

| | | | | |
|---|---|---|---|---|
| 08 | 02 | 200 UNITS OF NCN AT AN ACQUISITION COST OF R$ 0,00 TRADED THROUGH NU CRYPTO LTDA. | 0,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26
Custodian CNPJ: 44.342.498/0001-46

Self-custody: No Code Altcoin: NUCOIN

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 08 | 03 | MAINTENANCE OF 0.29925203 BNB HELD IN CUSTODY AT BINANCE EXCHANGE TOTAL AMOUNT: R$ 500,00 CURRENTLY HELD IN CUSTODY AT BINANCE BROKER | 500,00 | 500,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

Custodian CNPJ: 37.512.394/0001-77

Self-custody: No Code Stablecoin: 999

| GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2022 | STATUS ON 12/31/2023 |
|---|---|---|---|---|
| 08 | 99 | DOGECOIN ACQUIRED IN 2021, LOCATED AND NOW HELD IN CUSTODY AT BINANCE, PURCHASE AMOUNT R$ 210,00 TOTALING 105.69 DOGE | 210,00 | 210,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF: 385.898.458-26

| | | |
|---|---|---|
| **TOTAL** | 302.060,02 | 547.778,36 |

## ENCUMBRANCES AND REAL LIABILITIES

No Information

## DONATIONS TO POLITICAL PARTIES AND CANDIDATES FOR ELECTIVE OFFICES

No Information

## STATEMENT OF RURAL ACTIVITY - BRAZIL

### IDENTIFICATION DATA OF THE EXPLORED PROPERTY - BRAZIL

No Information

### INCOME AND EXPENSES - BRAZIL

No Information

### CALCULATION OF THE RESULT - BRAZIL

No Information

### LIVESTOCK ACTIVITY - BRAZIL

No Information

### ASSETS OF RURAL ACTIVITY - BRAZIL

No Information

### DEBTS RELATED TO RURAL ACTIVITY - BRAZIL

No Information

## STATEMENT OF RURAL ACTIVITY - ABROAD

### IDENTIFICATION DATA OF THE EXPLORED PROPERTY - ABROAD

No Information

### INCOME AND EXPENSES - ABROAD

No Information

### CALCULATION OF THE RESULT - ABROAD

No Information

### LIVESTOCK ACTIVITY - ABROAD

No Information

### ASSETS OF RURAL ACTIVITY - ABROAD

No Information

### DEBTS RELATED TO RURAL ACTIVITY - ABROAD

No Information

### STATEMENT OF CAPITAL GAINS CALCULATION

No Information

## VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - TAXPAYER

### NET GAINS OR LOSSES - JAN

No Information

### NET GAINS OR LOSSES - FEB

No Information

### NET GAINS OR LOSSES - MAR

No Information

### NET GAINS OR LOSSES - APR

No Information

### NET GAINS OR LOSSES - MAY

No Information

### NET GAINS OR LOSSES - JUN

No Information

### NET GAINS OR LOSSES - JUL

No Information

### NET GAINS OR LOSSES - AUG

No Information

### NET GAINS OR LOSSES - SEP

No Information

### NET GAINS OR LOSSES - OCT

No Information

### NET GAINS OR LOSSES - NOV

No Information

### NET GAINS OR LOSSES - DEC

No Information

## VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - DEPENDENTS

No Information

## REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - TAXPAYER

No Information

## REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - DEPENDENTES

No Information

## SUMMARY — TAXATION USING THE STANDARD DEDUCTION

| | | |
|---|---|---|
| **TAXABLE INCOME AND STANDARD DEDUCTION** | | |
| Received from Legal Entity by the Taxpayer | | 135.795,85 |
| Received from Legal Entity by Dependents | | 0,00 |
| Received from Individual/Abroad by the Taxpayer | | 1.452,85 |
| Received from Individual/Abroad by Dependents | | 0,00 |
| Received Cumulatively by the Taxpayer | | 0,00 |
| Received Cumulatively by Dependents | | 0,00 |
| Taxable Income from Rural Activity | | 0,00 |
| TOTAL TAXABLE INCOME | | 137.248,70 |
| Standard Deduction | | 16.754,34 |
| Taxable Base | | 120.494,36 |
| Tax Due | | 22.578,81 |
| Tax Due RRA (on received accumulated income) | | 0,00 |
| Effective Tax Rate (%) | | 16,45 |
| Total Tax Due | | 22.578,81 |
| **TAX PAID** | | |
| Tax Withheld at Source by the Taxpayer | | 21.775,53 |
| Tax Withheld at Source by Dependents | | 0,00 |
| Taxpayer's Carnê-Leão | | 0,00 |
| Dependents' Carnê-Leão | | 0,00 |
| Complementary Tax | | 0,00 |
| Tax Paid Abroad | | 399,53 |
| Tax Withheld at Source (Law No.11.033/2004) | | 0,00 |
| Tax Withheld RRA | | 0,00 |
| Total Tax Paid | | 22.175,06 |
| **TAX TO BE REFUNDED** | | 0,00 |
| **BALANCE OF TAX PAYABLE** | | 403,75 |
| **INSTALLMENT PLAN** | | |
| Installment Amount | 403,75 | |
| Number of Installments | 1 | |

**BANKING INFORMATION**

Automatic debit: NO

Bank

Branch (without Checking Digit)

Account for credit

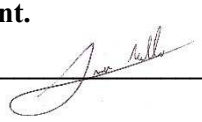
**ASSET EVOLUTION**

| | |
|---|---|
| Assets and Rights on 12/31/2022 | 302.060,02 |
| Assets and Rights on 12/31/2023 | 547.778,36 |
| Encumbrances and Real Liabilities on 12/31/2022 | 0,00 |
| Encumbrances and Real Liabilities on 12/31/2023 | 0,00 |

**OTHER INFORMATION**

| | |
|---|---|
| Exempt and non-taxable income | 240.761,37 |
| Income subject to exclusive/definitive taxation | 19.312,11 |
| Taxable income - tax with suspended liability | 0,00 |
| Judicial Deposits of Tax | 0,00 |
| Tax Paid on Capital Gains | 0,00 |
| Tax Paid on Capital Gains Foreign Currency - Assets, Rights, and Financial Investments | 0,00 |
| Total tax withheld at source (Law No. 11.033/2004), as per the data provided by the taxpayer | 0,00 |
| Tax Paid on Variable Income | 0,00 |
| Donations to Political Parties and Candidates for Elective Office | |
| Tax Payable on Capital Gain - Foreign Currency in Cash | 0,00 |
| Deferred Tax on Capital Gains | 0,00 |
| Tax Due on Capital Gains | 0,00 |
| Tax Due on Net Income from Variable Income | 0,00 |
| Tax Due on Capital Gains in Foreign Currency - Assets, Rights, and Financial Investments | 0,00 |

**I, André Vinícius Inacio Penna Mello, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**



**Date: September 14, 2026.**

**NOME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
**DECLARAÇÃO DE AJUSTE ANUAL** **EXERCÍCIO 2024** **ANO-CALENDÁRIO 2023**

## IDENTIFICAÇÃO DO CONTRIBUINTE

| | | | |
|---|---|---|---|
| Nome: | RILLIAN DIELLO LUCAS PIRES | CPF: | 385.898.458-26 |
| Data de Nascimento: | 27/12/1990 | Título Eleitoral: | 0373000750183 |
| Possui cônjuge ou companheiro(a)? | Sim | CPF do cônjuge ou companheiro(a): | 030.025.981-60 |

Era residente no exterior e passou a ser residente no Brasil em 2023? Não

Houve alteração de dados cadastrais? Sim

Um dos declarantes é pessoa com doença grave ou portadora de deficiência física ou mental? Não

| | | | |
|---|---|---|---|
| Endereço: | RUA TREZE DE JUNHO | Número: | 3015 |
| Complemento: | CASA | Bairro/Distrito: | MONTE CASTELO |
| Município: | CAMPO GRANDE | UF: | MS |
| CEP: | 79010-200 | DDD/Telefone: | |
| E-mail: | RILLIANSF@GMAIL.COM | DDD/Celular: | (67) 99946-2784 |

| | |
|---|---|
| Natureza da Ocupação: | 12 - Proprietário de empresa ou de firma individual ou empregador-titular |
| Ocupação Principal: | 212 - Analista de sistemas, desenvolvedor de software, administrador de redes e bancos de dados e outros especialistas em informática (exceto técnico) |
| Tipo de declaração: | Declaração Retificadora |

Nº do recibo da declaração anterior do exercício de 2024: 01.46.26.25.16-92

PROTEGIDA POR SIGILO FISCAL

## DEPENDENTES

Sem Informações

## ALIMENTANDOS

Sem Informações

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR

(Valores em Reais)

| NOME DA FONTE PAGADORA | REND. RECEBIDOS DE PES. JURÍDICA | CONTR. PREVID. OFICIAL | IMPOSTO RETIDO NA FONTE | 13º SALÁRIO | IRRF SOBRE 13º SALÁRIO |
|---|---|---|---|---|---|
| CI&T SOFTWARE S.A.<br>CNPJ/CPF: 00.609.634/0001-46 | 501,15 | 0,00 | 0,00 | 0,00 | 0,00 |
| APPNOVATION TECHNOLOGIES (BRAZIL) LTDA<br>CNPJ/CPF: 32.373.142/0001-90 | 64.150,31 | 2.631,66 | 14.309,54 | 5.489,52 | 883,11 |
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA<br>CNPJ/CPF: 38.299.888/0001-88 | 71.144,39 | 7.615,81 | 7.465,99 | 0,00 | 0,00 |
| **TOTAL** | 135.795,85 | 10.247,47 | 21.775,53 | 5.489,52 | 883,11 |

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES

Sem Informações

**NOME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
**DECLARAÇÃO DE AJUSTE ANUAL** **EXERCÍCIO 2024** **ANO-CALENDÁRIO 2023**

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELO TITULAR

(Valores em Reais)

**NIT/PIS/PASEP:** 165.35941.93-1

RENDIMENTOS

| | TRABALHO NÃO ASSALARIADO | ALUGUÉIS | OUTROS | EXTERIOR |
|---|---|---|---|---|
| JAN | 0,00 | 0,00 | 0,00 | 0,00 |
| FEV | 0,00 | 0,00 | 0,00 | 5,22 |
| MAR | 0,00 | 0,00 | 0,00 | 124,38 |
| ABR | 0,00 | 0,00 | 0,00 | 36,55 |
| MAI | 0,00 | 0,00 | 0,00 | 14,19 |
| JUN | 0,00 | 0,00 | 0,00 | 217,50 |
| JUL | 0,00 | 0,00 | 0,00 | 127,35 |
| AGO | 0,00 | 0,00 | 0,00 | 25,99 |
| SET | 0,00 | 0,00 | 0,00 | 233,04 |
| OUT | 0,00 | 0,00 | 0,00 | 186,41 |
| NOV | 0,00 | 0,00 | 0,00 | 27,49 |
| DEZ | 0,00 | 0,00 | 0,00 | 454,73 |
| TOTAL | 0,00 | 0,00 | 0,00 | 1.452,85 |

DEDUÇÕES — CARNÊ-LEÃO

| | PREVIDÊNCIA OFICIAL | QUANTIDADE DE DEPENDENTES | PENSÃO ALIMENTÍCIA | LIVRO CAIXA | DARF PAGO CÓD. 0190 |
|---|---|---|---|---|---|
| JAN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| FEV | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| ABR | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| MAI | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUN | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| JUL | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| AGO | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| SET | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| OUT | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| NOV | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| DEZ | 0,00 | 0 | 0,00 | 0,00 | 0,00 |
| TOTAL | 0,00 | | 0,00 | 0,00 | 0,00 |

PROTEGIDA POR SIGILO FISCAL

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELOS DEPENDENTES

Sem Informações

## RENDIMENTOS ISENTOS E NÃO TRIBUTÁVEIS

(Valores em Reais)

04. Indenizações por rescisão de contrato de trabalho, inclusive a título de PDV, e por acidente de trabalho; e FGTS — 45.650,04

| Beneficiário | CPF | CPF/CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 32.373.142/0001-90 | APPNOVATION TECHNOLOGIES (BRAZIL) LTDA | 45.650,04 |

09. Lucros e dividendos recebidos — 5.005,92

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 140,99 |
| Titular | 385.898.458-26 | 03.983.431/0001-03 | EDP - ENERGIAS DO BRASIL S.A. | 73,26 |
| Titular | 385.898.458-26 | 07.859.971/0001-30 | TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S/A | 2,57 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 2.098,17 |
| Titular | 385.898.458-26 | 33.592.510/0001-54 | VALE S.A. | 1.100,74 |
| Titular | 385.898.458-26 | 50.746.577/0001-15 | COSAN S.A. | 165,43 |
| Titular | 385.898.458-26 | 67.620.377/0001-14 | MINERVA S.A. | 355,32 |
| Titular | 385.898.458-26 | 84.429.695/0001-11 | WEG SA | 100,65 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 217,56 |
| Titular | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 751,23 |

12. Rendimentos de cadernetas de poupança, letras hipotecárias, letras de crédito do agronegócio e imobiliário (LCA e LCI) e certificados de recebíveis do agronegócio e imobiliários (CRA e CRI) — 532,91

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 01.023.570/0001-60 | BANCO RABOBANK INTERNATIONAL BRASIL S/A | 63,61 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 1,79 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 47,62 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 419,89 |

13. Rendimento de sócio ou titular de microempresa ou empresa de pequeno porte optante pelo Simples Nacional, exceto pro labore, aluguéis e serviços prestados — 183.031,02

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 0,01 |
| Titular | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 183.031,01 |

99. Outros — 6.541,48

PROTEGIDA POR SIGILO FISCAL

| Beneficiário | CPF | CPF/CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Descrição | Valor |
|---|---|---|---|---|---|
| Titular | 385.898.458-26 | 11.026.627/0001-38 | FUNDO DE INVESTIMENTO IMOBILIARIO - FII BTG PACTUAL FUNDO DE | RENDIMENTOS DE FUNDOS IMOBILIARIOS | 672,00 |
| Titular | 385.898.458-26 | 11.728.688/0001-47 | CSHG LOGISTICA - FUNDO DE INVESTIMENTO IMOBILIARIO - FII | HGLG11 EI HGLG13 (SUBSCRICAO) | 1.716,94 |
| Titular | 385.898.458-26 | 12.005.956/0001-65 | KINEA RENDA IMOBILIARIA FUNDO DE INVESTIMENTO IMOBILIARIO - | KNRI 11 | 839,80 |
| Titular | 385.898.458-26 | 28.737.771/0001-85 | ALIANZA TRUST RENDA IMOBILIARIA - FUNDO DE INVESTIMENTO IMOB | RENDIMENTO DE FUNDO IMOBILIARIO ALZR11 | 549,97 |
| Titular | 385.898.458-26 | 28.757.546/0001-00 | XP MALLS FUNDO DE INVESTIMENTO IMOBILIARIO - FII | XPML11 + XPML18 | 695,15 |
| Titular | 385.898.458-26 | 32.784.898/0001-22 | CSHG IMOBILIARIO FOF - FUNDO DE INVESTIMENTO IMOBILIARIO - F | HGFF11 - CSHG IMOBILIARIO FOF FUNDO DE INVESTIMENTO IMOBILIA | 522,30 |
| Titular | 385.898.458-26 | 36.501.128/0001-86 | FUNDO DE INVESTIMENTO IMOBILIARIO RIZA TERRAX | RZTR11 | 378,36 |
| Titular | 385.898.458-26 | 97.521.225/0001-25 | MAXI RENDA FUNDO DE INVESTIMENTO IMOBILIARIO - FII | MXRF11 + MXRF13 | 1.166,96 |

**TOTAL** 240.761,37

**RENDIMENTOS SUJEITOS À TRIBUTAÇÃO EXCLUSIVA / DEFINITIVA** (Valores em Reais)

01. 13º salário 5.489,52

06. Rendimentos de aplicações financeiras 3.246,97

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 6,29 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 39,47 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 54,65 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 62,88 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 105,19 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 105,31 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 109,50 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE | 125,65 |

PROTEGIDA POR SIGILO FISCAL

| | | | | |
|---|---|---|---|---|
| | | | CAMBIO, TITULOS E VALORES MOBI | |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 226,85 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 239,88 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 1.816,80 |
| Titular | 385.898.458-26 | 09.346.601/0001-25 | B3 S.A. - BRASIL, BOLSA, BALCAO | 19,71 |
| Titular | 385.898.458-26 | 30.680.829/0001-43 | NU FINANCEIRA S.A. - SOCIEDADE DE CREDITO, FINANCIAMENTO E I | 190,09 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S.A. PETROBRAS | 48,34 |
| Titular | 385.898.458-26 | 33.264.668/0003-67 | BANCO XP S.A | 96,36 |

10. Juros sobre capital próprio 10.074,47

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 792,63 |
| Titular | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 792,65 |
| Titular | 385.898.458-26 | 03.983.431/0001-03 | EDP - ENERGIAS DO BRASIL S.A. | 233,75 |
| Titular | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S.A. | 428,88 |
| Titular | 385.898.458-26 | 07.526.557/0001-00 | AMBEV S.A. | 428,88 |
| Titular | 385.898.458-26 | 07.859.971/0001-30 | TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S/A | 107,84 |
| Titular | 385.898.458-26 | 07.859.971/0001-30 | TRANSMISSORA ALIANCA S/A | 107,84 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 293,64 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S.A. PETROBRAS | 390,36 |
| Titular | 385.898.458-26 | 33.592.510/0001-54 | VALE S.A. | 939,29 |
| Titular | 385.898.458-26 | 33.592.510/0001-54 | VALE S/A | 899,58 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S A | 1.064,65 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 745,32 |
| Titular | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S.A. | 335,02 |
| Titular | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S/A | 335,02 |
| Titular | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 1.189,11 |
| Titular | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA - SANEPAR | 344,14 |
| Titular | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA SANEPAR | 203,15 |
| Titular | 385.898.458-26 | 84.429.695/0001-11 | WEG S/A | 71,07 |
| Titular | 385.898.458-26 | 84.429.695/0001-11 | WEG SA | 47,13 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 71,95 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 101,84 |
| Titular | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 75,36 |
| Titular | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 75,37 |

11. Participação nos lucros ou resultados 501,15

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|

PROTEGIDA POR SIGILO FISCAL

| | | | | |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.609.634/0001-46 | CI&T SOFTWARE S.A. | 501,15 |

**TOTAL** 19.312,11

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR (IMPOSTO COM EXIGIBILIDADE SUSPENSA)**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES (IMPOSTO COM EXIGIBILIDADE SUSPENSA)**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELO TITULAR**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELOS DEPENDENTES**

Sem Informações

**IMPOSTO PAGO / RETIDO** (Valores em Reais)

| | |
|---|---|
| 01. Imposto complementar: | 0,00 |
| 02. Imposto pago no exterior | 446,97 |
| Imposto devido com os rendimentos no exterior: | 22.578,81 |
| Imposto devido sem os rendimentos no exterior: | 22.179,28 |
| Diferença a ser considerada para cálculo do imposto (limite legal): | 399,53 |
| 03. Imposto de renda na fonte (Lei 11.033/2004): | 0,00 |
| 04. Imposto retido na fonte do titular | 21.775,53 |
| 05. Imposto retido na fonte dos dependentes | 0,00 |
| 06. Carnê-Leão do titular | 0,00 |
| 07. Carnê-Leão dos dependentes | 0,00 |

**PAGAMENTOS EFETUADOS** (Valores em Reais)

| CÓD. | NOME DO BENEFICIÁRIO | CPF/CNPJ DO BENEFICIÁRIO | VALOR PAGO | PARC. NÃO DEDUTÍVEL |
|---|---|---|---|---|
| Titular | | | | |
| 10 | ALLAN KARDEC CORDEIRO | 275.159.311-91 | 1.000,00 | 0,00 |
| Descrição: | CONSULTA DE ORTOPEDIA REALIZADAS NOS DIAS 01/12/2023 E 22/12/2023. SENDO QUE NO DIA 01/12 FORAM R$ 300,00 E R$ 400,00 REAIS REFARENTES A EXAMES COMO RAIO X, TALA PARA IMOBILIZACAO. E NO DIA 22/12/2023 FOI REALIZADO O RETORNO PARA REMOCAO DA TALA PAGAMENTOS REALIZADOS ATRAVES DE CARTAO DE CREDITO. | | | |
| 21 | REINVENT CLINIC LTDA | 22.213.252/0001-31 | 2.500,00 | 0,00 |
| Descrição: | REINVENT CLINIC 22.213.252/0001-31 TRATAMENTO ODONTOLOGICO - DRA NATHALIA BIAVA - REINVENT SORRISOS | | | |

**DOAÇÕES EFETUADAS**

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 01 | 11 | UMA FRACAO DE UMA MULTI PROPRIEDADE JUNTO A EMPRESA: JERI-1 EMPREENDIMENTO IMOBILIARIO SPE LTDA, CPNJ: 33.578.977/0001-40. ADQUIRIDAA EM 21/09/2023 | 0,00 | 5.206,27 |

105 - Brasil

Inscrição Municipal (IPTU):

Logradouro: ROD CE 182 FZ. CAICARA GLEBA I — Nº: S/N
Comp.: BLOCO 02-308-09 — Bairro:
Município: CRUZ — UF: CE — CEP: 62595-000
Área Total: 0,0 — Data de Aquisição: 21/09/2023
Registrado no Cartório: Não

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 01 | 13 | 50% DE UM LOTE N. 39 NO CONDOMINIO PARAISO DA SERRA, LOCALIZADO NA PARTE DO LOTE 13 DO NUCLEO URBANO DA COLONIA DO PAXIXI, NO DISTRITO DE CAMISAO, AQUIDAUNA - MS. REFERENTE A FRACAO DO IMOVEL DE 22HA, SOB MATRICULA 4218 DO CARTORIO DE REGISTRO DE IMOVEIS DO 1 SERVICO NOTARIAAL DA COMARCA DE AQUIDAUNA - MS. MEDIDAS 12 C 21.67 AREA TOTAL 260. VALOR TOTAL R$ 30.000,00, PARTE R$ 15.000,00 | 0,00 | 15.000,00 |

105 - Brasil

Inscrição Municipal (IPTU):

Logradouro: COLONIA PAXIXI, DISTRITO DE CAMISAO — Nº: N/A
Comp.: NUCLEO URBANO — Bairro: CAMISAO
Município: AQUIDAUANA — UF: MS — CEP: 79202-000
Área Total: 260,0 m² — Data de Aquisição: 13/02/2023
Registrado no Cartório: Não

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | GRND3 - GRENDENE S.A. ON XP INVESTIMENTOS CCTVM S/A 700 R$ 7,07 R$ 4.949,00 | 3.618,00 | 4.949,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular — CPF: 385.898.458-26
CNPJ: 89.850.341/0001-60
Negociados em Bolsa: Sim — Código de Negociação: GRND3

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PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | FLRY3 - FLEURY S.A. ON XP INVESTIMENTOS CCTVM S/A 917 R$ 18,04 R$ 16.542,68 | 9.316,35 | 16.542,68 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 60.840.055/0001-31
Negociados em Bolsa: Sim Código de Negociação: FLRY3

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | AESB3 - AES BRASIL ENERGIA S.A. ON XP INVESTIMENTOS CCTVM S/A 869 R$ 12,32 R$ 10.706,08 | 7.023,57 | 10.706,08 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 04.128.563/0001-10
Negociados em Bolsa: Sim Código de Negociação: AESB3

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | KLBN4 - KLABIN S.A. PN XP INVESTIMENTOS CCTVM S/A 1351 R$ 4,41 R$ 5.957,91 | 4.124,52 | 5.957,91 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 89.637.490/0001-45
Negociados em Bolsa: Sim Código de Negociação: KLBN4

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | VIIA3 - VIA S.A CLEAR CORRETORA - GRUPO XP 1139910 VIIA3 33041260065290 BRVIIAACNOR7 - 101 ON ITAU CV S/A 97 97 - - R$ 2,40 R$ 232,80 | 232,80 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 33.041.260/0652-90
Negociados em Bolsa: Sim Código de Negociação: VIIA3

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | BEEF3 - MINERVA S.A. ON XP INVESTIMENTOS CCTVM S/A 645 R$ 7,47 R$ 4.818,15<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 67.620.377/0001-14<br>Negociados em Bolsa: Sim Código de Negociação: BEEF3 | 6.661,44 | 4.818,15 |
| 03 | 01 | ENBR3 - EDP - ENERGIAS DO BRASIL S.A. CLEAR CORRETORA - GRUPO XP 1139910 ENBR3 03983431000103 BRENBRACNOR2 - 133 ON ITAU CV S/A 220 220 - - R$ 20,79 R$ 4.573,80<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 03.983.431/0001-03<br>Negociados em Bolsa: Sim Código de Negociação: ENBR3 | 4.573,80 | 0,00 |
| 03 | 01 | SAPR4 - CIA SANEAMENTO DO PARANA - SANEPAR PN XP INVESTIMENTOS CCTVM S/A 1409 R$ 5,89 R$ 8.299,01<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 76.484.013/0001-45<br>Negociados em Bolsa: Sim Código de Negociação: SAPR4 | 3.785,05 | 8.299,01 |
| 03 | 01 | ABEV3 - AMBEV S.A. ON XP INVESTIMENTOS CCTVM S/A 691 R$ 13,73 R$ 9.487,43<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 07.526.557/0001-00<br>Negociados em Bolsa: Sim Código de Negociação: ABEV3 | 6.635,64 | 9.487,43 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | BBDC4 - BCO BRADESCO S.A. PN XP INVESTIMENTOS CCTVM S/A 1168 R$ 17,09 R$ 19.961,12 | 11.347,35 | 19.961,12 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

CNPJ: 60.746.948/0001-12

Negociados em Bolsa: Sim Código de Negociação: BBDC4

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | STOCK AAPL APPLE INC. 11.95294 $ 1,855.91 R$ 5,1281 R$ 9.517,37 | 3.390,53 | 9.517,37 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: AAPL

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK AMZN AMAZON.COM INC. 16.1867 $ 1,897.84 R$ 5,0904 R$ 9.660,84 | 5.059,47 | 9.660,84 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: AMZN

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK BRKB BERKSHIRE HATHAWAY INC DEL CL B 11.55629 $ 3,534.70 R$ 5,0575 R$ 17.876,78 | 4.343,95 | 17.876,78 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: BRKB

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PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | STOCK MSFT MICROSOFT CORP COM 7.568 $ 2,110.81 R$ 5,0934 R$ 10.751,18 | 3.641,63 | 10.751,18 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: MSFT

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK TSLA TESLA INC COM 8.32034 $ 1,929.94 R$ 5,1831 R$ 10.003,05 | 4.964,76 | 10.003,05 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: TSLA

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | ITSA4 - ITAUSA S.A. CLEAR CORRETORA - GRUPO XP 1139910 ITSA4 61532644000115 BRITSAACNPR7 - 436 PN ITAU CV S/A 0,75 0,75 - - R$ 10,37 R$ 7,77 ITSA4 - ITAUSA S.A. XP INVESTIMENTOS CCTVM S/A 5402161 ITSA4 61532644000115 BRITSAACNPR7 - 436 PN ITAU CV S/A 0,25 0,25 - - R$ 10,37 R$ 2,59 ITSA4 - ITAUSA S.A. XP INVESTIMENTOS CCTVM S/A 11327225 ITSA4 61532644000115 BRITSAACNPR7 - 436 PN ITAU C 2561 2561 - - R$ 10,37 R$ 26.557,57 | 17.113,61 | 26.567,93 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

CNPJ: 61.532.644/0001-15

Negociados em Bolsa: Sim Código de Negociação: ITSA4

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | PETR4 - PETROLEO BRASILEIRO S.A. PETROBRAS PN XP INVESTIMENTOS CCTVM S/A 335 R$ 37,24 R$ 12.475,40 | 7.472,50 | 12.475,40 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

CNPJ: 33.000.167/0001-01

Negociados em Bolsa: Sim Código de Negociação: PETR4

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | VALE3 - VALE S.A. ON XP INVESTIMENTOS CCTVM S/A 410 R$ 77,20 R$ 31.652,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 33.592.510/0001-54<br>Negociados em Bolsa: Sim Código de Negociação: VALE3 | 16.620,56 | 31.652,00 |
| 03 | 01 | SHOW3 - T4F ENTRETENIMENTO S.A. XP INVESTIMENTOS CCTVM S/A 5402161 SHOW3 02860694000162 BRSHOWACNOR7 - 105 ON BANCO BRADESCO S/A 200 200 - - R$ 2,39 R$ 478,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.860.694/0001-62<br>Negociados em Bolsa: Sim Código de Negociação: SHOW3 | 478,00 | 0,00 |
| 03 | 01 | 03-01 STOCK DIS DISNEY WALT CO COM DISNEY 7.2725 $ 760.87 R$ 5,0255 R$ 3.823,73<br>249 - Estados Unidos<br>Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não<br>Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: DIS | 1.749,14 | 3.823,73 |
| 03 | 01 | BBAS3 - BCO BRASIL S.A. ON XP INVESTIMENTOS CCTVM S/A 250 R$ 55,39 R$ 13.847,50<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 00.000.000/0001-91<br>Negociados em Bolsa: Sim Código de Negociação: BBAS3 | 7.987,90 | 13.847,50 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | CSAN3 - COSAN S.A. ON XP INVESTIMENTOS CCTVM S/A 386 R$ 19,36 R$ 7.472,96<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 50.746.577/0001-15<br>Negociados em Bolsa: Sim Código de Negociação: CSAN3 | 6.608,32 | 7.472,96 |
| 03 | 01 | WEGE3 - WEG S.A. ON XP INVESTIMENTOS CCTVM S/A 371 R$ 36,91 R$ 13.693,61<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 84.429.695/0001-11<br>Negociados em Bolsa: Sim Código de Negociação: WEGE3 | 8.703,26 | 13.693,61 |
| 03 | 01 | 03-01 STOCK GOOGL ALPHABET INC. (CLASS A) 14.7952 $ 1,433.82 R$ 5,1087 R$ 7.324,95<br>249 - Estados Unidos<br>Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não<br>Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: GOOGL | 2.757,99 | 7.324,95 |
| 03 | 01 | 03-01 STOCK KO COCA COLA CO COM 17 $ 1,035.53 R$ 5,1218 R$ 5.303,83<br>249 - Estados Unidos<br>Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não<br>Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: KO | 3.071,95 | 5.303,83 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK MCD MCDONALDS CORP. 3.198 $ 894.86 R$ 5,1327 R$ 4.593,02 | 2.867,55 | 4.593,02 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: MCD

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK XOM EXXON MOBIL CORP. 22.01637 $ 2,395.18 R$ 5,0864 R$ 12.182,88 | 3.916,40 | 12.182,88 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: XOM

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | TAEE4 - TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S.A. PN XP INVESTIMENTOS CCTVM S/A 743 R$ 12,83 R$ 9.532,69 | 0,00 | 9.532,69 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

CNPJ: 07.859.971/0001-30

Negociados em Bolsa: Sim Código de Negociação: TAEE4

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK BAC BANK OF AMERICA CORP 35.05 $ 1,119.65 R$ 5,0756 R$ 5.682,91 | 0,00 | 5.682,91 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: BAC

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PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK FTNT FORTINET 7.75409 $ 475.12 R$ 5,1415 R$ 2.442,82 | 0,00 | 2.442,82 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: FTNT

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK META META PLATFORMS 2.71093 $ 860.40 R$ 4,8386 R$ 4.163,16 | 0,00 | 4.163,16 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: META

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK NSSC NAPCO SECURITY 12.53268 $ 429.18 R$ 5,1201 R$ 2.197,44 | 0,00 | 2.197,44 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: NSSC

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 03-01 STOCK NVDA NVIDIA CORPORATION 4.08919 $ 1,201.10 R$ 5,0340 R$ 6.046,30 | 0,00 | 6.046,30 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: NVDA

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PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 1.37620762 ACOES CUSTODIADAS DE AVALONBAY COMMUNITIES INC. (AVB) CUSTODIADA NA CORRETORA DRIVEWEALTH, LLC. CUSTO TOTAL DE AQUISICAO DE US$ 261,66 COM DOLAR MEDIO DE R$ 4,8475. R$ 1.268,41 | 0,00 | 1.268,41 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: AVB

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 21.30030196 ACOES CUSTODIADAS DE GLOBAL MEDICAL REIT, (GMRE) CUSTODIADA NA CORRETORA DRIVEWEALTH, LLC. CUSTO TOTAL DE AQUISICAO DE US$ 198,52 COM DOLAR MEDIO DE R$ 4,8502 R$ 962,87 | 0,00 | 962,87 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: GMRE

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 9.99515778 ACOES CUSTODIADAS DE REALTY INCOME CORPORATION (O) CUSTODIADA NA CORRETORA DRIVEWEALTH, LLC. CUSTO TOTAL DE AQUISICAO DE US$ 598,60 COM DOLAR MEDIO DE R$ 4,7799 VALOR FECHAMENTO 31/12/2023 R$ 2.861,25 | 0,00 | 2.861,25 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: O

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 01 | 2.99917879 ACOES CUSTODIADAS DE SIMON PROPERTY GROUP INC. (SPG) CUSTODIADA NA CORRETORA DRIVEWEALTH, LLC. CUSTO TOTAL DE AQUISICAO DE US$ 339,60 COM DOLAR MEDIO DE R$ 4,8149. VALOR FECHAMENTO 31/12/2023 R$ 0,00 R$ 1.635,13 | 0,00 | 1.635,13 |

249 - Estados Unidos

Trust ou entidade controlada no exterior cujos bens e direitos serão individualmente informados e detalhados nesta declaração, nos termos dos arts. 8º e 11 da Lei nº 14.754, de 2023: Não

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

Negociados em Bolsa: Sim Código de Negociação: SPG

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 03 | 02 | SOCIO PROPRIETARIO COM 1000 DAS COTAS | 1.000,00 | 1.000,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

CNPJ: 38.299.888/0001-88

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 01 | CPF: 38589845826 NOME: RILLIAN DIELLO LUCAS PIRES CADERNETA DE POUPANCA SALDO EM 31/12/2021 R$ 22,70 SALDO EM 31/12/2022 R$ 15.798,56 RENDIMENTO R$ 25,30 | 15.798,56 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

CNPJ: 60.746.948/0001-12

Banco: 237 Agência: 2498 Conta: 5136-5

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| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 01 | CADERNETA DE POUPANCA 2202 397.714-5 SALDO 31/12/2022 R$ 0,00 SALDO 31/12/2023 R$ 208,36 RENDIMENTO: R$ 419,89 | 0,00 | 208,36 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

CNPJ: 60.746.948/0001-12

Banco: 237 Agência: 2202 Conta: 397714-5

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PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 01 | CADERNETA DE POUPANCA 5307 17.714-8 SALDO EM 31/12/2022: R$ 0,00 SALDO EM 31/12/2023: R$ 0,00 RENDIMENTO: R$ 47,62 | 0,00 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 60.746.948/0001-12

Banco: 237 Agência: 5307 Conta: 17714-8

| | | | | |
|---|---|---|---|---|
| 04 | 02 | PRODUTO INDEXADOR QUANT VALOR ATUALIZADO IPCA+ 2024 IPCA 0,32 R$ 1.284,57 IPCA+ 2026 IPCA 2,16 R$ 7.893,84 IPCA+ 2029 IPCA 2,99 R$ 9.490,94 IPCA+ 2030 IPCA 0,19 R$ 843,41 IPCA+ 2032 IPCA 1,23 R$ 5.468,14 IPCA+ 2040 IPCA 0,73 R$ 3.297,44 PREFI 2025 PREF 4,16 R$ 3.781,00 PREFI 2026 PREF 0,71 R$ 588,99 SELIC 2025 SELIC 0,1 R$ 1.427,32 SELIC 2026 SELIC 0,21 R$ 2.994,43 SELIC 2027 SELIC 0,34 R$ 4.833,67 TOTAL R$ 41.903,75 | 24.317,69 | 41.903,75 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. 1.000,00 1.000,00 0,00 CDB PRE CDB420B37AD 19/11/2023 | 1.000,00 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 02.332.886/0001-04

| | | | | |
|---|---|---|---|---|
| 04 | 02 | NOME EMPRESARIAL NU FINANCEIRA S.A. CNPJ 30.680.829/0001-43 AG: 0001 CONTA: 1998778-1 | 3.667,63 | 590,04 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 30.680.829/0001-43

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B379T 18/11/2024<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.000,00 | 1.000,00 |
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.077,57 0,00 CDB PRE DU CDB122B3WRD 15/02/2023<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.077,57 | 0,00 |
| 04 | 02 | BANCO ORIGINAL S/A CDB PRE DU CDB122BI81D 16/02/2023 R$ 1000,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.000,00 | 0,00 |
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.051,40 0,00 CDB PRE DU CDB122C5LEV 22/02/2023<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.051,40 | 0,00 |
| 04 | 02 | PAGBANK CDB PRE DU CDB122KMVCO 23/03/2023 R$ 1.069,48<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.069,48 | 0,00 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 02 | CREDIARE S.A. CFI 0,00 2.000,00 0,00 CDB PRE DU CDB4227GIOM 24/04/2023 | 2.000,00 | 0,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | PAGBANK CDB PRE DU CDB222CV2EF 11/05/2023 R$ 2.126,33 | 2.126,33 | 0,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | BANCO C6 CONSIGNADO S.A. 0,00 2.000,00 0,00 CDB PRE DU CDB322EWPV8 15/08/2023 | 2.000,00 | 0,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | PAGBANK CDB FLU CDB322KKLKA 04/09/2023 R$ 998,65 | 998,65 | 0,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 02 | BANCO ORIGINAL S/A 0,00 1.000,00 0,00 CDB PRE DU CDB3224G9NN 11/07/2024 | 1.000,00 | 1.000,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 92.894.922/0001-08 | | | | |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO AGIBANK S.A CDB FLU CDB3216I3B1 22/07/2024 R$ 1.125,11<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.125,11 | 1.125,11 |
| 04 | 02 | PERNAMBUCANAS 0,00 1.000,00 0,00 FINANCIADORA S/A C CDB FLU CDB322FAXU1 15/08/2024<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1.000,00 | 1.000,00 |
| 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB323MK8FR 19/05/2025<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 61.348.538/0001-86 | 0,00 | 1.000,00 |
| 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB323MK8F2 17/08/2026<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 61.348.538/0001-86 | 0,00 | 1.000,00 |
| 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB123BUWJ0 05/02/2025 2.000,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 61.348.538/0001-86 | 0,00 | 2.000,00 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO MASTER S/A CDB FLU CDB2237BYBV 18/04/2028 2.001,19 | 0,00 | 2.001,19 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 33.923.798/0001-00

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO PINE S/A CDB FLU CDB1230YEW6 03/01/2025 R$ 1.000,00 | 0,00 | 1.000,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 62.144.175/0001-20

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 02 | BIORC FINANCEIRA CREDITO FINANCI CDB FLU CDB223TI10C 18/06/2024 3.000,00 | 0,00 | 3.000,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 11.285.104/0001-06

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 02 | WILL FINANCEIRA LC FLU LC001900WST 15/10/2024 R$ 1.300,68 | 0,00 | 1.300,68 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 36.272.465/0001-49

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 02 | BANCO XP S.A. CDB FLU CDB2234LO1R, DATA DE SAQUE: 12/06/2023, RENDIMENTO: R$ 96,36 | 0,00 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ: 33.264.668/0003-67

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 03 | BANCO BOCOM BBM SA 0,00 1.002,62 0,00 LCA PRE 22C01071475 28/03/2024 | 1.002,62 | 1.002,62 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 02.332.886/0001-04 | | | | |
| 04 | 03 | BANCO PAULISTA LCA 23K02440085 27/11/2024 R$3.000,00 | 0,00 | 3.000,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 61.820.817/0001-09 | | | | |
| 04 | 03 | BANCO BTG PACTUAL LCA 23C00368682 07/03/2025 R$ 2000,00 | 0,00 | 2.000,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 30.306.294/0001-45 | | | | |
| 04 | 03 | BANCO BTG PACTUAL LCA 23K01957083 20/11/2024 R$ 1.000,00 | 0,00 | 1.000,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 30.306.294/0001-45 | | | | |
| 04 | 03 | BARI COMPANHIA HIPOTECARIA LCI 23C02666541 30/03/2026 R$ 2.000,00 | 0,00 | 2.000,00 |
| 105 - Brasil | | | | |
| Bem ou direito pertencente ao: Titular | | CPF: 385.898.458-26 | | |
| CNPJ: 14.511.781/0001-93 | | | | |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 04 | 03 | BARI COMPANHIA HIPOTECARIA LCI 23C00367669 09/03/2026 R$ 2.000,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 14.511.781/0001-93 | 0,00 | 2.000,00 |
| 04 | 03 | BANCO RABOBANK INT BR LCA PRE 22K01422287 DATA DE SAQUE:27/11/2023. POSICAO EM 31/12/2022 R$ 0,00 POSICAO EM 31/12/2023 R$ 0,00 RENDIMENTOS R$ 63,61<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 01.023.570/0001-60 | 0,00 | 0,00 |
| 04 | 04 | INBR32 - INTER CO INC CLEAR CORRETORA - GRUPO XP 1139910 INBR32 BRINBRBDR007 - 101 BDR BANCO BRADESCO S/A 62 62 - - R$ 11,05 R$ 685,10<br>INBR32 - INTER CO INC XP INVESTIMENTOS CCTVM S/A 5402161 INBR32 BRINBRBDR007 - 101 BDR BANCO BRADESCO S/A 122 122 - - R$ 11,05 R$ 1.348,10<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Negociados em Bolsa: Sim Código de Negociação: INBR32 | 2.033,20 | 0,00 |
| 06 | 01 | 5783-5 PARQUE DOS PODERES - MS 00.000.000/0001-91 01. CONTA CORRENTE E VGBL - VALORES EM REAIS ESPECIFICACAO CONTA CORRENTE SALDO EM 31/12/2022 R$ 559,22 SALDO EM 31/12/2023 R$ 86,07<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 00.000.000/0001-91<br>Banco: 001 Agência: 5783 Conta: 7167-6 | 559,22 | 86,07 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 06 | 01 | INFORMADO POR CNPJ 02.332.886/0001-04<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04<br>Banco: 102 Agência: 0003 Conta: 113991-0 | 0,00 | 168,13 |
| 06 | 01 | BENS E DIREITOS INFORMACOES PARA DECLARACAO GRUPO DE BENS: 06 - DEPOSITO A VISTA E NUMERARIO CODIGO: 01 - DEPOSITO EM CONTA CORRENTE OU CONTA PAGAMENTO LOCALIZACAO: 105 - BRASIL<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 22.896.431/0001-10<br>Banco: 380 Agência: 0001 Conta: 8615836-8 | 163,66 | 0,00 |
| 06 | 01 | AGENCIA 2498 TOTAL 5.1. TOTAL 5 CONTA 5.136-5 SALDO EM 31/12/2021 1,00 SALDO EM 31/12/2022 1,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Banco: 237 Agência: 2498 Conta: 5136-5 | 1,00 | 0,00 |
| 06 | 01 | SALDO DE US$ 0,00 NA AVENUE CASH LLC (CONTA BANCARIA)<br>249 - Estados Unidos<br>Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Agência: Conta: | 3.588,53 | 0,00 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 06 | 01 | DEPOSITO BANCARIO EM CONTA CORRENTE NO PAIS DEP.A VISTA BRADESCO AGENCIA CONTA 2202 397.714-5 R$: 1,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 60.746.948/0001-12<br>Banco: 237 Agência: 2202 Conta: 397714-5 | 0,00 | 1,00 |
| 06 | 01 | CONTA MERCADO PAGO 31/12/2022 R$ 5,00 31/12/2023 R$ 17,59<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 10.573.521/0001-91<br>Banco: 323 Agência: 0001 Conta: 4769357377-8 | 5,00 | 17,59 |
| 06 | 01 | 06 E 01 249 - EUA SALDO DE US$ 1,84 NA CORRETORA DRIVEWEALTH, LLC, R$ 0,00 R$ 8,91 CONVERTIDO PELA PTAX R$ 4,8407 DE 31/12/2023.<br>249 - Estados Unidos<br>Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>Agência: Conta: | 0,00 | 8,91 |
| 06 | 99 | INFORMADO POR CNPJ 02.332.886/0001-04<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 0,00 | 1.227,46 |
| 06 | 99 | SALDO EM CONTA NA XP INVESTIMENTOS CCTVM S/A AGENCIA 0002 CONTA 1139910 SALDO EM 31/12/2022 R$ 1,90 SALDO EM 31/12/2023 R$ 168,13<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 1,90 | 168,13 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 06 | 99 | SALDO EM CONTA NA XP INVESTIMENTOS CCTVM S/A AG 0003 CC: 752404 SALDO EM 31/12/2020 TOTAL: 25,47 SALDO EM 31/12/2021 2,99<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 02.332.886/0001-04 | 2,99 | 0,00 |
| 06 | 99 | SALDO DE US$ 13.22 NA CORRETORA AVENUE SECURITIES LLC (CONTA DE INVESTIMENTO)<br>249 - Estados Unidos<br>Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26 | 28,07 | 63,99 |
| 06 | 99 | SALDO NA CONTA DA DISTRIBUIDORA AVENUE SECURITIES R$ 5.000,00 R$ 0,00 DTVM LTDA, CNPJ 61.384.004/0001-05<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ: 61.384.004/0001-05 | 5.000,00 | 0,00 |
| 07 | 03 | BCFF11 - FDO INV IMOB - FII BTG PACTUAL FUNDO DE FUNDOS COTAS XP INVESTIMENTOS CCTVM S/A 800 R$ 9,37 R$ 7.496,00<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 11.026.627/0001-38<br>Negociados em Bolsa: Sim Código de Negociação: BCFF11 | 6.626,00 | 7.496,00 |
| 07 | 03 | HGLG11 - CSHG LOGISTICA FDO INV IMOB - FII COTAS XP INVESTIMENTOS CCTVM S/A 150 R$ 161,99 R$ 24.298,50<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF: 385.898.458-26<br>CNPJ do Fundo: 11.728.688/0001-47<br>Negociados em Bolsa: Sim Código de Negociação: HGLG11 | 14.805,00 | 24.298,50 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 07 | 03 | XPML11 - XP MALLS FDO INV IMOB FII COTAS XP INVESTIMENTOS CCTVM S/A 91 R$ 117,12 R$ 10.657,92 | 4.784,00 | 10.657,92 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ do Fundo: 28.757.546/0001-00
Negociados em Bolsa: Não

| | | | | |
|---|---|---|---|---|
| 07 | 03 | MXRF11 - MAXI RENDA FDO INV IMOB - FII COTAS XP INVESTIMENTOS CCTVM S/A 1085 R$ 10,57 R$ 11.468,45 MXRF13 - MAXI RENDA FDO INV IMOB - FII RECIBO XP INVESTIMENTOS CCTVM S/A 10 R$ 10,29 R$ 102,90 | 7.133,63 | 11.571,35 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ do Fundo: 97.521.225/0001-25
Negociados em Bolsa: Sim Código de Negociação: MXRF11

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|---|---|---|---|---|
| 07 | 03 | KNRI11 - KINEA RENDA IMOBILIARIA FDO INV IMOB - FII COTAS XP INVESTIMENTOS CCTVM S/A 80 R$ 165,50 R$ 13.240,00 | 7.010,00 | 13.240,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ do Fundo: 12.005.956/0001-65
Negociados em Bolsa: Sim Código de Negociação: KNRI11

| | | | | |
|---|---|---|---|---|
| 07 | 03 | HGFF11 - CSHG IMOB. FOF - FDO INV. IMOB. - FII COTAS XP INVESTIMENTOS CCTVM S/A 83 R$ 87,95 R$ 7.299,85 | 3.591,00 | 7.299,85 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ do Fundo: 32.784.898/0001-22
Negociados em Bolsa: Sim Código de Negociação: HGFF11

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 07 | 03 | RZTR11 - FUNDO DE INVESTIMENTO IMOBILIARIO RIZA TERRAX COTAS XP INVESTIMENTOS CCTVM S/A 42 R$ 108,40 R$ 4.552,80 | 2.600,00 | 4.552,80 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ do Fundo: 36.501.128/0001-86
Negociados em Bolsa: Sim Código de Negociação: RZTR11

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|---|---|---|---|---|
| 07 | 03 | ALZR11 - ALIANZA TRUST RENDA IMOBILIARIA FDO INV IMOB COTAS XP INVESTIMENTOS CCTVM S/A 80 R$ 117,64 R$ 9.411,20 | 0,00 | 9.411,20 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ do Fundo: 28.737.771/0001-85
Negociados em Bolsa: Sim Código de Negociação: ALZR11

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|---|---|---|---|---|
| 07 | 04 | XP FMP FGTS ELETROBRAS 45.088.790/0001-47 COD. 04 | 1.669,71 | 1.669,71 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ do Fundo: 45.088.790/0001-47

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|---|---|---|---|---|
| 07 | 09 | 07-09 ETF VOO VANGUARD INDEX FDS S&P 500 ETF SHS 5.26866 $ 1,965.33 R$ 5,0687 R$ 9.961,75 | 2.340,71 | 9.961,75 |

249 - Estados Unidos

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
Negociados em Bolsa: Não

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|---|---|---|---|---|
| 07 | 09 | 07-09 ETF GDX VANECK VECTORS ETF TR GOLD MINERS ETF 17.64294 $ 586.94 R$ 5,0488 R$ 2.963,35 | 840,08 | 2.963,35 |

249 - Estados Unidos

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
Negociados em Bolsa: Sim Código de Negociação: GDX

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF IVV ISHARES TR CORE S&P500 ETF 2 $ 779.58 R$ 5,1259 R$ 3.996,04 | 1.953,07 | 3.996,04 |

249 - Estados Unidos

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
Negociados em Bolsa: Sim Código de Negociação: IVV

| | | | | |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF VWO VANGUARD INTL EQUITY INDEX FDS FTSE EMR MKT 25.572 $ 1,041.86 R$ 5,0549 R$ 5.266,45 | 1.678,92 | 5.266,45 |

249 - Estados Unidos

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
Negociados em Bolsa: Sim Código de Negociação: VWO

| | | | | |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF BSV VANGUARD SHORT-TERM BOND INDEX FUND ETF 4 $ 308.00 R$ 4,8306 R$ 1.487,82 | 0,00 | 1.487,82 |

249 - Estados Unidos

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
Negociados em Bolsa: Sim Código de Negociação: BSV

| | | | | |
|---|---|---|---|---|
| 07 | 09 | 07-09 ETF VNQ VANGUARD INDEX FDS REAL ESTATE ETF 9.64245 $ 815.36 R$ 4,8956 R$ 3.991,68 | 0,00 | 3.991,68 |

249 - Estados Unidos

Opção pela atualização do valor do bem ou direito no exterior para o valor de mercado em 31/12/2023, nos termos do art. 14 da Lei nº 14.754, de 2023: Não
Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
Negociados em Bolsa: Sim Código de Negociação: VNQ

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 07 | 99 | ARX ELBRUS ADVISORY 1.588,62 3.543,25 0,00 DEBENTURES I 32.319.627/0001-04 COD. 99 | 3.543,25 | 4.273,25 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ do Fundo: 32.319.627/0001-04
Negociados em Bolsa: Não

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 08 | 01 | SALDO REFERENTE A 2021: R$ 6290,00 AQUISICAO DE 0,16574420 BTC EM 2023-02-02 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 2000,00 AQUISICAO DE 0,16618010 BTC EM 2023-03-23 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 2500,00 ATUALMENTE CUSTODIADOS NA CORRETORA BINANCE | 6.290,00 | 10.790,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ Custodiante: 37.512.394/0001-77

Autocustodiante: Não

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 08 | 02 | AQUISICAO DE 0,17673851 ETH EM 2023-02-02 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 1500,00 AQUISICAO DE 0,13442133 ETH EM 2023-03-23 POR MEIO DA CORRETORA BINANCE VALOR TOTAL: R$ 1300,00 | 4.800,00 | 7.800,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ Custodiante: 37.512.394/0001-77

Autocustodiante: Não Código Altcoin: ETH

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 08 | 02 | 200 QUANTIDADES DE NCN AO CUSTO DE AQUISICAO DE R$ 0,00 NEGOCIADOS PELA NU CRYPTO LTDA. | 0,00 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26
CNPJ Custodiante: 44.342.498/0001-46

Autocustodiante: Não Código Altcoin: NUCOIN

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 08 | 03 | MANUTENCAO DE 0.29925203 BNB CUSTODIADOS PELA CORRETORA BINANCE VALOR TOTAL: R$ 500,00 ATUALMENTE CUSTODIADOS NA CORRETORA BINANCE | 500,00 | 500,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

CNPJ Custodiante: 37.512.394/0001-77

Autocustodiante: Não Código Stablecoin: 999

| GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2022 | SITUAÇÃO EM 31/12/2023 |
|---|---|---|---|---|
| 08 | 99 | DOGECOIN ADIQUIRIDOS EM 2021 LOCALIZADOS E AGORA CUSTODIADOS PELA BINANCE, VALOR DA COMPRA R$ 210,00 TOTALIZANDO 105.69 DOGE | 210,00 | 210,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF: 385.898.458-26

| | | |
|---|---|---|
| **TOTAL** | 302.060,02 | 547.778,36 |

## DÍVIDAS E ÔNUS REAIS

Sem Informações

## DOAÇÕES A PARTIDOS POLÍTICOS E CANDIDATOS A CARGOS ELETIVOS

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DEMONSTRATIVO DE ATIVIDADE RURAL - BRASIL

### DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - BRASIL

Sem Informações

### RECEITAS E DESPESAS - BRASIL

Sem Informações

### APURAÇÃO DO RESULTADO - BRASIL

Sem Informações

### MOVIMENTAÇÃO DO REBANHO - BRASIL

Sem Informações

### BENS DA ATIVIDADE RURAL - BRASIL

Sem Informações

### DÍVIDAS VINCULADAS À ATIVIDADE RURAL - BRASIL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DEMONSTRATIVO DE ATIVIDADE RURAL - EXTERIOR

### DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - EXTERIOR

Sem Informações

### RECEITAS E DESPESAS - EXTERIOR

Sem Informações

### APURAÇÃO DO RESULTADO - EXTERIOR

Sem Informações

### MOVIMENTAÇÃO DO REBANHO - EXTERIOR

Sem Informações

### BENS DA ATIVIDADE RURAL - EXTERIOR

Sem Informações

### DÍVIDAS VINCULADAS À ATIVIDADE RURAL - EXTERIOR

Sem Informações

### DEMONSTRATIVO DA APURAÇÃO DOS GANHOS DE CAPITAL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - TITULAR

### GANHOS LÍQUIDOS OU PERDAS - JAN

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - FEV

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - MAR

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - ABR

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - MAI

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - JUN

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - JUL

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - AGO

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - SET

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - OUT

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - NOV

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - DEZ

Sem Informações

## RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - DEPENDENTES

Sem Informações

## FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - TITULAR

Sem Informações

## FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - DEPENDENTES

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## RESUMO — TRIBUTAÇÃO UTILIZANDO O DESCONTO SIMPLIFICADO

| | |
|---|---|
| **RENDIMENTOS TRIBUTÁVEIS E DESCONTO SIMPLIFICADO** | |
| Recebidos de Pessoa Jurídica pelo Titular | 135.795,85 |
| Recebidos de Pessoa Jurídica pelos Dependentes | 0,00 |
| Recebidos de Pessoa Física/Exterior pelo Titular | 1.452,85 |
| Recebidos de Pessoa Física/Exterior pelos Dependentes | 0,00 |
| Recebidos acumuladamente pelo titular | 0,00 |
| Recebidos acumuladamente pelos dependentes | 0,00 |
| Resultado tributável da Atividade Rural | 0,00 |
| TOTAL DE RENDIMENTOS TRIBUTÁVEIS | 137.248,70 |
| Desconto Simplificado | 16.754,34 |
| Base de cálculo do Imposto | 120.494,36 |
| Imposto devido | 22.578,81 |
| Imposto devido RRA | 0,00 |
| Aliquota efetiva (%) | 16,45 |
| Total do imposto devido | 22.578,81 |
| **IMPOSTO PAGO** | |
| Imposto retido na fonte do titular | 21.775,53 |
| Imp. retido na fonte dos dependentes | 0,00 |
| Carnê-Leao do titular | 0,00 |
| Carnê-Leao dos dependentes | 0,00 |
| Imposto Complementar | 0,00 |
| Imposto pago no exterior | 399,53 |
| Imposto retido na fonte (Lei nº 11.033/2004) | 0,00 |
| Imposto retido RRA | 0,00 |
| Total do imposto pago | 22.175,06 |
| **IMPOSTO A RESTITUIR** | 0,00 |
| **SALDO IMPOSTO A PAGAR** | 403,75 |
| **PARCELAMENTO** | |
| Valor da quota | 403,75 |
| Número de Quotas | 1 |

**INFORMAÇÕES BANCÁRIAS**

Débito automático: NÃO

Banco

Agência (sem DV)

Conta para débito

PROTEGIDA POR SIGILO FISCAL

**EVOLUÇÃO PATRIMONIAL**

| | |
|---|---|
| Bens e direitos em 31/12/2022 | 302.060,02 |
| Bens e direitos em 31/12/2023 | 547.778,36 |
| Dívidas e ônus reais em 31/12/2022 | 0,00 |
| Dívidas e ônus reais em 31/12/2023 | 0,00 |

**OUTRAS INFORMAÇÕES**

| | |
|---|---|
| Rendimentos isentos e não tributáveis | 240.761,37 |
| Rendimentos sujeitos à tributação exclusiva/definitiva | 19.312,11 |
| Rendimentos tributáveis - imposto com exigibilidade suspensa | 0,00 |
| Depósitos judiciais do imposto | 0,00 |
| Imposto pago sobre Ganhos de Capital | 0,00 |
| Imposto pago Ganhos de Capital Moeda Estrangeira - Bens, direitos e Aplicações Financeiras | 0,00 |
| Total do imposto retido na fonte (Lei nº11.033/2004), conforme dados informados pelo contribuinte | 0,00 |
| Imposto pago sobre Renda Variável | 0,00 |
| Doações a Partidos Políticos e Candidatos a Cargos Eletivos | |
| Imposto a pagar sobre o Ganho de Capital - Moeda Estrangeira em Espécie | 0,00 |
| Imposto diferido dos Ganhos de Capital | 0,00 |
| Imposto devido sobre Ganhos de Capital | 0,00 |
| Imposto devido sobre ganhos líquidos em Renda Variável | 0,00 |
| Imposto devido sobre Ganhos de Capital Moeda Estrangeira - Bens, direitos e aplic. financeiras | 0,00 |

PROTEGIDA POR SIGILO FISCAL

**NAME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **INCOME TAX - INDIVIDUAL**
**ANNUAL ADJUSTMENT DECLARATION** **TAX YEAR 2025** **CALENDAR YEAR 2024**

## TAXPAYER IDENTIFICATION

Name: RILLIAN DIELLO LUCAS PIRES CPF: 385.898.458-26
Date of Birth: 12/27/1990
Do you have a spouse or partner? Yes CPF of the spouse or partner: 030.025.981-60
Were you a resident abroad and became a resident in Brazil in 2024? No
Have your registration details changed? No
Is one of the declarants a person with a serious illness or a physical or mental disability? No

Address: RUA TREZE DE JUNHO Number: 3015
Unit: HOUSE Neighborhood/District: MONTE CASTELO
City: CAMPO GRANDE State: MS
ZIP Code: 79010-200 Area Code/Phone:
E-mail: Area Code/Mobile: (67) 9946-2784

Occupation Type: 12 - Owner of a company or sole proprietorship or employer-taxpayer
Main Occupation: 212 - Systems analyst, software developer, network and database administrator, and other computer specialists (except technicians)
Type of Declaration: Original Annual Adjustment Declaration
Receipt Number of the last declaration filed in the 2024 tax year: 03.21.62.49.58-13

## DEPENDENTS

No Information

## ALIMONY

No Information

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER

(Values in Reais)

| NAME OF THE PAYING SOURCE | INCOME RECEIVED FROM LEGAL ENTITY | OFFICIAL SOCIAL SECURITY CONTRIBUTION | WITHHELD TAX | 13th SALARY | INCOME TAX WITHHELD ON 13th SALARY |
|---|---|---|---|---|---|
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA<br>CNPJ/CPF: 38.299.888/0001-88 | 138.370,81 | 8.443,53 | 25.651,65 | 0,00 | 0,00 |
| **TOTAL** | 138.370,81 | 8.443,53 | 25.651,65 | 0,00 | 0,00 |

## TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY DEPENDENTS

No Information

## TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY THE TAXPAYER

No Information

## TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY DEPENDENTS

No Information

## EXEMPT AND NON-TAXABLE INCOME

(Values in Reais)

09. Profits and received dividends 3.753,54

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 231,44 |
| Taxpayer | 385.898.458-26 | 00.001.180/0001-26 | CENTRAIS ELETRICAS BRASILEIRAS SA ELETROBRAS | 32,81 |
| Taxpayer | 385.898.458-26 | 02.255.187/0001-08 | UNIFIQUE TELECOMUNICACOES S/A | 40,78 |
| Taxpayer | 385.898.458-26 | 02.474.103/0001-19 | ENGIE BRASIL ENERGIA S.A. | 26,81 |
| Taxpayer | 385.898.458-26 | 07.628.528/0001-59 | BRASILAGRO - COMPANHIA BRASILEIRA DE PROPRIEDADES AGRICOLAS | 23,33 |
| Taxpayer | 385.898.458-26 | 07.859.971/0001-30 | TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S/A | 163,91 |
| Taxpayer | 385.898.458-26 | 09.346.601/0001-25 | B3 S.A. - BRASIL, BOLSA, BALCAO | 12,74 |
| Taxpayer | 385.898.458-26 | 17.344.597/0001-94 | BB SEGURIDADE PARTICIPACOES S.A. | 46,14 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 306,84 |
| Taxpayer | 385.898.458-26 | 33.592.510/0001-54 | VALE S.A. | 1.166,62 |
| Taxpayer | 385.898.458-26 | 33.958.695/0001-78 | UNIPAR CARBOCLORO S.A. | 93,01 |
| Taxpayer | 385.898.458-26 | 37.663.076/0001-07 | AUREN PARTICIPACOES S.A. | 64,83 |
| Taxpayer | 385.898.458-26 | 42.278.473/0001-03 | WIZ CO PARTICIPACOES E CORRETAGEM DE SEGUROS S.A | 6,02 |
| Taxpayer | 385.898.458-26 | 50.746.577/0001-15 | COSAN S.A. | 174,26 |
| Taxpayer | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S.A. | 135,36 |
| Taxpayer | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 785,50 |
| Taxpayer | 385.898.458-26 | 76.483.817/0001-20 | COMPANHIA PARANAENSE DE ENERGIA - COPEL | 1,59 |
| Taxpayer | 385.898.458-26 | 84.429.695/0001-11 | WEG SA | 110,53 |
| Taxpayer | 385.898.458-26 | 84.683.374/0001-49 | TUPY S/A | 4,91 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 227,89 |
| Taxpayer | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 98,22 |

12. Income from savings accounts, mortgage bonds, agribusiness, and real estate letters of credit (LCA and LCI), and certificates of agribusiness and real estate receivables (CRA and CRI 2.080,42

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 127,38 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 131,42 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 143,11 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 223,54 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 253,79 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 255,53 |

| | | | | |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 376,22 |
| Taxpayer | 385.898.458-26 | 30.306.294/0001-45 | BANCO BTG PACTUAL S.A. | 44,93 |
| Taxpayer | 385.898.458-26 | 30.306.294/0001-45 | BANCO BTG PACTUAL S.A. | 167,80 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 48,36 |
| Taxpayer | 385.898.458-26 | 61.820.817/0001-09 | BANCO PAULISTA S.A. | 308,34 |

13. Income of a partner or owner of a microenterprise or small business opting for Simples Nacional, except for pro labore, rents, and services rendered 316.365,26

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 316.365,26 |

18. Incorporation of reserves into capital / Stock bonuses 2.183,54

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 33.958.695/0001-78 | UNIPAR CARBOCLORO S.A. | 23,32 |
| Taxpayer | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 1.775,73 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 384,49 |

99. Others 9.557,47

| Beneficiary | CPF | CPF/CNPJ of the Paying Source | Name of the Paying Source | Description | Amount |
|---|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 11.026.627/0001-38 | FUNDO DE INVESTIMENTO IMOBILIARIO - FII BTG PACTUAL FUNDO DE | REAL ESTATE INVESTMENT FUND INCOME BCFF11 - (ADMIN:59.281.253/00 | 623,60 |
| Taxpayer | 385.898.458-26 | 11.728.688/0001-47 | PATRIA LOG - FUNDO DE INVESTIMENTO IMOBILIARIO - RESPONSABIL | REAL ESTATE INVESTMENT FUND INCOME HGLG11 - (ADMIN: 45.246.410/0001-55) | 1.980,00 |
| Taxpayer | 385.898.458-26 | 11.839.593/0001-09 | BTG PACTUAL LOGISTICA FUNDO DE INVESTIMENTO IMOBILIARIO RESP | REAL ESTATE INVESTMENT FUND BTLG11 - (ADMIN: 59.281.253/0001-23) | 159,16 |
| Taxpayer | 385.898.458-26 | 12.005.956/0001-65 | KINEA RENDA IMOBILIARIA FUNDO DE INVESTIMENTO IMOBILIARIO RE | REAL ESTATE INVESTMENT FUND KNRI11 - (ADMIN:62.418.140/0001-31) | 1.178,85 |
| Taxpayer | 385.898.458-26 | 25.032.881/0001-53 | FUNDO DE INVESTIMENTO IMOBILIARIO TG | REAL ESTATE INVESTMENT FUND TGAR11 - (ADMIN: 22.610.500/0001-88) | 54,05 |
| Taxpayer | 385.898.458-26 | 26.499.833/0001-32 | ATIVO REAL GENIAL MALLS FUNDO DE INVESTIMENTO IMOBILIARIO | REAL ESTATE INVESTMENT FUND MALL11 - (ADMIN: 27.652.684/0001-62) | 176,40 |
| Taxpayer | 385.898.458-26 | 28.152.777/0001-90 | SUNO AGRO FIAGRO IMOBILIARIO | REAL ESTATE INVESTMENT FUND SNAG11 | 203,00 |
| Taxpayer | 385.898.458-26 | 28.548.288/0001-52 | TRX REAL ESTATE FUNDO DE | TRXF11 - (ADMIN: | 165,00 |

| | | | | | |
|---|---|---|---|---|---|
| | | | INVESTIMENTO IMOBILIARIO - FII | 13.486.793/0001-42) | |
| Taxpayer | 385.898.458-26 | 28.737.771/0001-85 | ALIANZA TRUST RENDA IMOBILIARIA - FUNDO DE INVESTIMENTO IMOB | REAL ESTATE I.F. ALZR11 - (ADMIN: 59.281.253/0001-23) | 855,40 |
| Taxpayer | 385.898.458-26 | 28.757.546/0001-00 | XP MALLS FUNDO DE INVESTIMENTO IMOBILIARIO - FII | REAL ESTATE I.F MXRF11 - (ADMIN: 59.281.253/0001-23) | 1.291,15 |
| Taxpayer | 385.898.458-26 | 28.757.546/0001-00 | XP MALLS FUNDO DE INVESTIMENTO IMOBILIARIO - FII | REAL ESTATE I.F XPML11 - (ADMIN: 02.332.886/0001-04 | 1.476,83 |
| Taxpayer | 385.898.458-26 | 29.641.226/0001-53 | PATRIA RENDA URBANA - FUNDO DE INVESTIMENTO IMOBILIARIO - RE | REAL ESTATE I.F HGRU11 - (ADMIN: 45.246.410/0001-55) | 27,00 |
| Taxpayer | 385.898.458-26 | 30.629.603/0001-18 | FUNDO DE INVESTIMENTO IMOBILIARIO - VBI LOGISTICO | REAL ESTATE I.F LVBI11 - (ADMIN: 59.281.253/0001-23) | 29,05 |
| Taxpayer | 385.898.458-26 | 32.784.898/0001-22 | PATRIA IMOBILIARIO FOF - FUNDO DE INVESTIMENTO IMOBILIARIO - | REAL ESTATE I.F HGFF11 - (ADMIN: 45.246.410/0001-55) | 697,20 |
| Taxpayer | 385.898.458-26 | 36.501.128/0001-86 | FUNDO DE INVESTIMENTO IMOBILIARIO RIZA TERRAX | REAL ESTATE I.F RZTR11 - (ADMIN: 45.246.410/0001-55) | 578,70 |
| Taxpayer | 385.898.458-26 | 45.188.176/0001-57 | BTG PACTUAL REAL ESTATE HEDGE FUND FII - FUNDO DE INVESTIMEN | REAL ESTATE I.F BTHF11 - (ADMIN: 59.281.253/0001-23) | 62,08 |

**TOTAL** 333.940,23

## INCOME SUBJECT TO EXCLUSIVE/DEFINITIVE TAXATION

(Values in Reais)

06. Income from financial investments 5.132,54

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 40,68 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 41,91 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 74,35 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 148,55 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 185,81 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 222,16 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 255,74 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 275,95 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE | 411,99 |

| | | | CAMBIO, TITULOS E VALORES MOBI | |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 875,45 |
| Taxpayer | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 966,03 |
| Taxpayer | 385.898.458-26 | 10.573.521/0001-91 | MERCADO PAGO INSTITUICAO DE PAGAMENTO LTDA | 1,74 |
| Taxpayer | 385.898.458-26 | 11.285.104/0001-06 | NEON FINANCEIRA - CREDITO, FINANCIAMENTO E INVESTIMENTO S.A | 308,60 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 6,72 |
| Taxpayer | 385.898.458-26 | 36.272.465/0001-49 | REAG S A INSTITUICAO DE PAGAMENTO | 221,36 |
| Taxpayer | 385.898.458-26 | 37.910.132/0001-60 | TREND INB FUNDO DE INVESTIMENTO EM COTAS RENDA FIXA SIMPLES | 9,16 |
| Taxpayer | 385.898.458-26 | 39.586.835/0001-00 | KINEA IPCA DINAMICO II ADVISORY RENDA FIXA FUNDO DE INVESTIM | 279,67 |
| Taxpayer | 385.898.458-26 | 45.278.833/0001-57 | TREND DI FUNDO DE INVESTIMENTO EM COTAS RENDA FIXA SIMPLES R | 485,78 |
| Taxpayer | 385.898.458-26 | 62.169.875/0001-79 | NU INVESTIMENTOS S.A. - CORRETORA DE TITULOS E VALORES MOBIL | 80,31 |
| Taxpayer | 385.898.458-26 | 92.894.922/0001-08 | BANCO ORIGINAL S/A | 240,58 |

10. Interest on Equity 5.131,66

| Beneficiary | CPF | CNPJ of the Paying Source | Name of the Paying Source | Amount |
|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 1.001,89 |
| Taxpayer | 385.898.458-26 | 02.255.187/0001-08 | UNIFIQUE TELECOMUNICACOES S/A | 28,89 |
| Taxpayer | 385.898.458-26 | 09.346.601/0001-25 | B3 S.A. - BRASIL, BOLSA, BALCAO | 13,48 |
| Taxpayer | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 122,27 |
| Taxpayer | 385.898.458-26 | 33.592.510/0001-54 | VALE S.A. | 848,93 |
| Taxpayer | 385.898.458-26 | 42.278.473/0001-03 | WIZ CO PARTICIPACOES E CORRETAGEM DE SEGUROS S.A | 10,58 |
| Taxpayer | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 891,22 |
| Taxpayer | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S.A. | 429,71 |
| Taxpayer | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 1.194,27 |
| Taxpayer | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA SANEPAR | 344,14 |
| Taxpayer | 385.898.458-26 | 84.429.695/0001-11 | WEG SA | 59,73 |
| Taxpayer | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 123,89 |
| Taxpayer | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 62,66 |

12. Financial Investments and Profits and Dividends Abroad (Law 14,754/2023) 2.417,01

13. Others 23,36

| Beneficiary | CPF | CPF/CNPJ of the Paying Source | Name of the Paying Source | Description | Amount |
|---|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | OTHER INCOME (MONETARY ADJUSTMENT, INCOME FROM | 6,63 |

| | | | | | |
|---|---|---|---|---|---|
| Taxpayer | 385.898.458-26 | 09.346.601/0001-25 | B3 S.A. - BRASIL, BOLSA, BALCAO | 02. FIXED-INCOME INVESTMENTS 16,47 | 16,47 |
| Taxpayer | 385.898.458-26 | 17.344.597/0001-94 | BB SEGURIDADE PARTICIPACOES S.A. | BBSE3 INCOME R$ 0,26 | 0,26 |

**TOTAL** 12.704,57

### TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER (TAX WITH SUSPENDED EXIGIBILITY)

No Information

### TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE DEPENDENTS (TAX WITH SUSPENDED EXIGIBILITY)

No Information

### TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE TAXPAYER

No Information

### TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE DEPENDENTS

No Information

### TAX PAID / WITHHELD

(Values in Reais)

| | |
|---|---|
| 01. Complementary Tax: | 0,00 |
| 02. Tax paid abroad | 0,00 |
| Tax due with income abroad | 0,00 |
| Tax due without income abroad | 0,00 |
| Difference to be considered for tax calculation (legal limit) | 0,00 |
| 03. Income Tax Withheld at Source (Law 11.033/2004): | 0,00 |
| 04. Income Tax Withheld at Source for the Taxpayer | 25.651,65 |
| 05. Income Tax Withheld at Source for the Dependents | 0,00 |
| 06. Taxpayer's Carnê-Leão | 0,00 |
| 07. Dependent's Carnê-Leão | 0,00 |

* CARNÊ-LEÃO - Income tax that must be paid monthly, mandatorily, by individuals residing in Brazil who receive income from another individual or from abroad

### PAYMENTS MADE

(Values in Reais)

| CODE | BENEFICIARY NAME | BENEFICIARY CPF/CNPJ | AMOUNT PAID | NON-DEDUCTIBLE PORTION |
|---|---|---|---|---|
| Taxpayer | | | | |
| 36 | XP VIDA E PREVIDENCIA S.A. | 29.408.732/0001-05 | 15.000,00 | 0,00 |
| Description: | SUPPLEMENTAL RETIREMENT PLAN CONTRIBUTION TO PGBL | | | |

### DONATIONS MADE

No Information

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 58 | 01 | 11 | A FRACTION OF A FRACTIONAL OWNERSHIP PROPERTY WITH THE COMPANY: JERI-1 EMPREENDIMENTO IMOBILIARIO SPE LTDA, CPNJ: 33.578.977/0001-40. ACQUIRED ON 09/21/2023 OUTSTANDING BALANCE 38.190,10 AMOUNT PAID THROUGH 2023 5.206,27 | 5.206,27 | 7.660,88 |

105 - Brazil

Municipal Registration (IPTU):

Address: ROD CE 182 FZ. CAICARA GLEBA I — No.: S/N
Unit:: BLOCO 02-308-09 — Neighborhood: ZONA RURAL
City: CRUZ — State: CE — ZIP Code: 62595-000
Total Area: 0,0 — Acquisition Date: 09/21/2023
Registered at the Registry Office: No

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 1 | 01 | 13 | 50% OF LOT NO. 39 IN THE PARAISO DA SERRA CONDOMINIUM, LOCATED IN THE PORTION OF LOT 13 OF THE URBAN CENTER OF COLONIA DO PAXIXI, IN THE DISTRICT OF CAMISAO, AQUIDAUANA - MS. REFERRING TO THE FRACTION OF THE 22-HA PROPERTY, UNDER REGISTRATION NUMBER 4218 OF THE REAL ESTATE REGISTRY OFFICE OF THE 1ST NOTARY SERVICE OF THE JUDICIAL DISTRICT OF AQUIDAUANA - MS. DIMENSIONS 12 BY 21.67 TOTAL AREA 260. TOTAL VALUE R$ 30.000,00, SHARE R$ 15.000,00 | 15.000,00 | 15.000,00 |

105 - Brazil

Municipal Registration (IPTU):

Address: COLONIA PAXIXI, DISTRITO DE CAMISAO — No.: N/A
Unit:: NUCLEO URBANO — Neighborhood: CAMISAO
City: AQUIDAUANA — State: MS — ZIP Code: 79202-000
Total Area: 260,0 m² — Acquisition Date: 02/13/2023
Registered at the Registry Office: No

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 33 | 03 | 01 | ABEV3 - 0 SHARES OF THE COMPANY AMBEV S.A. (AMBEV S/A), TRADING CODE ON B3: ABEV3. CNPJ: 07.526.557/0001-00. AVERAGE UNIT COST OF R$ 0,00. BROKER: XP (02.332.886/0001-04) | 10.091,71 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer — CPF:
CNPJ: 07.526.557/0001-00
Exchange-Traded: Yes — Trading Code: ABEV3

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 114 | 03 | 01 | AESB3 - 0 SHARES OF THE COMPANY AES BRASIL ENERGIA S.A. (AES BRASIL), TRADING CODE ON B3: AESB3. CNPJ: 37.663.076/0001-07. AVERAGE UNIT COST OF R$ 0,00. BROKER: CLEAR (15.107.963/0001-66) AESB3 - 0 SHARES OF THE COMPANY AES BRASIL ENERGIA S.A. (AESBRASIL), TRADING CODE ON B3: AESB3. CNPJ: 37.663.076/0001- 07. AVERAGE UNIT COST OF R$ 0,00. BROKER: XP (02.332.886/0001-04) | 11.711,20 | 0,00 |

105 - Brazil

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| | | | Asset or right belonging to: Taxpayer CPF:<br>CNPJ: 37.663.076/0001-07<br>Exchange-Traded: Yes Trading Code: AESB3 | | |
| 139 | 03 | 01 | AGRO3 - 14 SHARES OF THE COMPANY BRASILAGRO - CIA BRAS DE PROP AGRICOLAS (BRASILAGRO), TRADING CODE ON B3: AGRO3. CNPJ: 07.628.528/0001-59. AVERAGE UNIT COST OF R$ 24,8664. BROKER: XP (02.332.886/0001-04)<br>105 - Brazil | 0,00 | 348,13 |
| | | | Asset or right belonging to: Taxpayer CPF:<br>CNPJ: 07.628.528/0001-59<br>Exchange-Traded: Yes Trading Code: AGRO3 | | |
| 23 | 03 | 01 | B3SA3 - 124 SHARES OF THE COMPANY B3 S.A. BRASIL. BOLSA. BALCAO (B3), TRADING CODE ON B3: B3SA3. CNPJ: 09.346.601/0001-25. AVERAGE UNIT COST OF R$ 12,17. BROKER: XP (02.332.886/0001-04)<br>105 - Brazil | 0,00 | 1.509,08 |
| | | | Asset or right belonging to: Taxpayer CPF:<br>CNPJ: 09.346.601/0001-25<br>Exchange-Traded: Yes Trading Code: B3SA3 | | |
| 109 | 03 | 01 | BBAS3 - 550 SHARES OF THE COMPANY BCO BRASIL S.A. (BRASIL), TRADING CODE ON B3: BBAS3. CNPJ: 00.000.000/0001-91. AVERAGE UNIT COST OF R$ 21,1007. BROKER: XP (02.332.886/0001-04)<br>105 - Brazil | 10.159,70 | 11.605,39 |
| | | | Asset or right belonging to: Taxpayer CPF:<br>CNPJ: 00.000.000/0001-91<br>Exchange-Traded: Yes Trading Code: BBAS3 | | |
| 17 | 03 | 01 | BBDC4 - 1268 SHARES OF THE COMPANY BCO BRADESCO S.A. (BRADESCO), TRADING CODE ON B3: BBDC4. CNPJ: 60.746.948/0001-12. AVERAGE UNIT COST OF R$ 16,7597. BROKER: XP (02.332.886/0001-04)<br>105 - Brazil | 20.027,00 | 21.251,30 |
| | | | Asset or right belonging to: Taxpayer CPF:<br>CNPJ: 60.746.948/0001-12<br>Exchange-Traded: Yes Trading Code: BBDC4 | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 136 | 03 | 01 | BBSE3 - 18 SHARES OF THE COMPANY BB SEGURIDADE PARTICIPACOES S.A. (BBSEGURIDADE), TRADING CODE ON B3: BBSE3. CNPJ: 17.344.597/0001-94. AVERAGE UNIT COST OF R$ 34,2107. BROKER: XP (02.332.886/0001-04) | 0,00 | 615,79 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 17.344.597/0001-94 | | | | | |
| Exchange-Traded: Yes Trading Code: BBSE3 | | | | | |
| 20 | 03 | 01 | BEEF3 - 0 SHARES OF THE COMPANY MINERVA S.A. (MINERVA), TRADING CODE ON B3: BEEF3. CNPJ: 67.620.377/0001-14. AVERAGE UNIT COST OF R$ 0,00. BROKER: XP (02.332.886/0001-04) | 7.588,94 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 67.620.377/0001-14 | | | | | |
| Exchange-Traded: Yes Trading Code: BEEF3 | | | | | |
| 100 | 03 | 01 | CSAN3 - 386 SHARES OF THE COMPANY COSAN S.A. (COSAN), TRADING CODE ON B3: CSAN3. CNPJ: 50.746.577/0001-15. AVERAGE UNIT COST OF R$ 17,9427. BROKER: XP (02.332.886/0001- 04) | 6.925,88 | 6.925,88 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 50.746.577/0001-15 | | | | | |
| Exchange-Traded: Yes Trading Code: CSAN3 | | | | | |
| 81 | 03 | 01 | EGIE3 - 124 SHARES OF THE COMPANY ENGIE BRASIL ENERGIA S.A. (ENGIE BRASIL), TRADING CODE ON B3: EGIE3. CNPJ: 02.474.103/0001-19. AVERAGE UNIT COST OF R$ 40,7643. BROKER: XP (02.332.886/0001-04) | 0,00 | 5.054,77 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.474.103/0001-19 | | | | | |
| Exchange-Traded: Yes Trading Code: EGIE3 | | | | | |
| 142 | 03 | 01 | ELET6 - 131 SHARES OF THE COMPANY CENTRAIS ELET BRAS S.A. ELETROBRAS (ELETROBRAS), TRADING CODE ON B3: ELET6. CNPJ: 00.001.180/0001-26. AVERAGE UNIT COST OF R$ 42,3838. BROKER: XP (02.332.886/0001-04) | 0,00 | 5.552,28 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 00.001.180/0001-26 | | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| Exchange-Traded: Yes | | | Trading Code: ELET6 | | |
| 153 | 03 | 01 | FIQE3 - 480 SHARES OF THE COMPANY UNIFIQUE TELECOMUNICACOES S.A. (UNIFIQUE), CODIGO DE NEGOCIACAO NA B3: FIQE3. CNPJ: 02.255.187/0001-08. AVERAGE UNIT COST OF R$ 4,1933. BROKER: XP (02.332.886/0001-04) | 0,00 | 2.012,78 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.255.187/0001-08 | | | | | |
| Exchange-Traded: Yes | | | Trading Code: FIQE3 | | |
| 115 | 03 | 01 | FLRY3 - 917 SHARES OF THE COMPANY FLEURY S.A. (FLEURY), TRADING CODE ON B3: FLRY3. CNPJ: 60.840.055/0001-31. AVERAGE UNIT COST OF R$ 20,6813. BROKER: XP (02.332.886/0001- 04) | 18.964,75 | 18.964,75 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 60.840.055/0001-31 | | | | | |
| Exchange-Traded: Yes | | | Trading Code: FLRY3 | | |
| 5 | 03 | 01 | GRND3 - 0 SHARES OF THE COMPANY GRENDENE S.A. (GRENDENE), TRADING CODE ON B3: GRND3. CNPJ: 89.850.341/0001- 60. AVERAGE UNIT COST OF R$ 0,00. BROKER: XP (02.332.886/0001-04) | 6.684,93 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 89.850.341/0001-60 | | | | | |
| Exchange-Traded: Yes | | | Trading Code: GRND3 | | |
| 160 | 03 | 01 | ITSA4 - 2764 SHARES OF THE COMPANY ITAUSA S.A. (ITAUSA), TRADING CODE ON B3: ITSA4. CNPJ: 61.532.644/0001-15. AVERAGE UNIT COST OF R$ 11,4181. BROKER: XP (02.332.886/0001- 04) | 29.092,53 | 31.559,63 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 61.532.644/0001-15 | | | | | |
| Exchange-Traded: Yes | | | Trading Code: ITSA4 | | |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 25 | 03 | 01 | KLBN4 - 1486 SHARES OF THE COMPANY KLABIN S.A. (KLABIN S/A), TRADING CODE ON B3: KLBN4. CNPJ: 89.637.490/0001-45. AVERAGE UNIT COST OF R$ 4,1828. BROKER: XP (02.332.886/0001-04) | 5.831,05 | 6.215,64 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 89.637.490/0001-45 | | | | | |
| Exchange-Traded: Yes Trading Code: KLBN4 | | | | | |
| 93 | 03 | 01 | NEOE3 - 200 SHARES OF THE COMPANY NEOENERGIA S.A. (NEOENERGIA), TRADING CODE ON B3: NEOE3. CNPJ: 01.083.200/0001-18. AVERAGE UNIT COST OF R$ 18,8556. BROKER: XP (02.332.886/0001-04) | 0,00 | 3.771,12 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 01.083.200/0001-18 | | | | | |
| Exchange-Traded: Yes Trading Code: NEOE3 | | | | | |
| 7 | 03 | 01 | PETR4 - 357 SHARES OF THE COMPANY PETROLEO BRASILEIRO S.A. PETROBRAS (PETROBRAS), TRADING CODE ON B3: PETR4. CNPJ: 33.000.167/0001-01. AVERAGE UNIT COST OF R$ 27,1263. BROKER: XP (02.332.886/0001-04) | 8.714,25 | 9.684,09 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 33.000.167/0001-01 | | | | | |
| Exchange-Traded: Yes Trading Code: PETR4 | | | | | |
| 155 | 03 | 01 | SAPR4 - 1509 SHARES OF THE COMPANY CIA SANEAMENTO DO PARANA - SANEPAR (SANEPAR), TRADING CODE ON B3: SAPR4. CNPJ: 76.484.013/0001-45. AVERAGE UNIT COST OF R$ 4,1332. BROKER: XP (02.332.886/0001-04) | 5.672,92 | 6.237,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 76.484.013/0001-45 | | | | | |
| Exchange-Traded: Yes Trading Code: SAPR4 | | | | | |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 61 | 03 | 01 | TAEE4 - 0 SHARES OF THE COMPANY TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S.A. (TAESA), TRADING CODE ON B3: TAEE4. CNPJ: 07.859.971/0001-30. AVERAGE UNIT COST OF R$ 0,00. BROKER: XP (02.332.886/0001-04) | 8.709,89 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 07.859.971/0001-30

Exchange-Traded: Yes Trading Code: TAEE4

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| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 26 | 03 | 01 | TUPY3 - 40 SHARES OF THE COMPANY TUPY S.A. (TUPY), TRADING CODE ON B3: TUPY3. CNPJ: 84.683.374/0001-49. AVERAGE UNIT COST OF R$ 25,342. BROKER: XP (02.332.886/0001-04) | 0,00 | 1.013,68 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 84.683.374/0001-49

Exchange-Traded: No

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| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 101 | 03 | 01 | UNIP6 - 25 SHARES OF THE COMPANY UNIPAR CARBOCLORO S.A. (UNIPAR), TRADING CODE ON B3: UNIP6. CNPJ: 33.958.695/0001-78. AVERAGE UNIT COST OF R$ 56,7718. BROKER: XP (02.332.886/0001-04) | 0,00 | 1.419,30 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 33.958.695/0001-78

Exchange-Traded: Yes Trading Code: UNIP6

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| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 86 | 03 | 01 | VALE3 - 501 SHARES OF THE COMPANY VALE S.A. (VALE), TRADING CODE ON B3: VALE3. CNPJ: 33.592.510/0001-54. AVERAGE UNIT COST OF R$ 77,0867. BROKER: XP (02.332.886/0001-04) | 32.935,30 | 38.620,44 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 33.592.510/0001-54

Exchange-Traded: Yes Trading Code: VALE3

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| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 95 | 03 | 01 | WEGE3 - 371 SHARES OF THE COMPANY WEG S.A. (WEG), TRADING CODE ON B3: WEGE3. CNPJ: 84.429.695/0001-11. AVERAGE UNIT COST OF R$ 33,3211. BROKER: XP (02.332.886/0001-04) | 12.362,13 | 12.362,13 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 84.429.695/0001-11

Exchange-Traded: Yes Trading Code: WEGE3

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 79 | 03 | 01 | WIZC3 - 114 SHARES OF THE COMPANY WIZ CO PARTICIPACOES E CORRETAGEM DE SEGUROS S.A. (WIZ), TRADING CODE ON B3: WIZC3. CNPJ: 42.278.473/0001-03. AVERAGE UNIT COST OF DE R$ 6,302. BROKER: XP (02.332.886/0001-04) | 0,00 | 718,43 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 42.278.473/0001-03

Exchange-Traded: Yes Trading Code: WIZC3

| 18 | 03 | 01 | AAPL - 12,84473 SHARES OF THE COMPANY APPLE INC. TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: AAPL, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 2.064,66. BROKER: AVENUE | 9.533,23 | 10.644,24 |
|---|---|---|---|---|---|

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: AAPL

**Financial Investment**

Profit or Loss: 64,52

Tax Paid Abroad: 19,36

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| 90 | 03 | 01 | AMZN - 17,43891 SHARES OF THE COMPANY AMAZON.COM INC. TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: AMZN, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 2.119,24. BROKER: AVENUE | 9.660,84 | 10.906,27 |
|---|---|---|---|---|---|

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: AMZN

**Financial Investment**

Profit or Loss: 0,00

Tax Paid Abroad: 0,00

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| 53 | 03 | 01 | AVB - 3,0141362 ACOES DO REIT AVALONBAY COMMUNITIES TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: AVB, ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLARS: US$ 623,52. BROKER: NOMAD | 1.268,41 | 3.314,64 |
|---|---|---|---|---|---|

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: AVB

**Financial Investment**

Profit or Loss: 59,44

Tax Paid Abroad: 17,75

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 96 | 03 | 01 | BAC - 43,17673 SHARES OF THE COMPANY BANK OF AMERICA CORP TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: BAC, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 1.430,47. BROKER: AVENUE | 5.730,33 | 7.438,75 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: BAC

**Financial Investment**

Profit or Loss: 219,52

Tax Paid Abroad: 65,83

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 154 | 03 | 01 | BHP - 14,85705 SHARES OF THE COMPANY BHP BILLITON LIMITED TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: BHP, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 882,20. BROKER: AVENUE | 0,00 | 4.649,56 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: BHP

**Financial Investment**

Profit or Loss: 120,62

Tax Paid Abroad: 0,00

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 131 | 03 | 01 | BRKB - 12,24917 SHARES OF THE COMPANY BERKSHIRE HATHAWAY INC DEL CL B TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: BRKB, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 3.866,59. BROKER: AVENUE | 17.733,89 | 19.719,12 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: BRKB

**Financial Investment**

Profit or Loss: 0,00

Tax Paid Abroad: 0,00

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 65 | 03 | 01 | DIS - 7,2725 SHARES OF THE COMPANY DISNEY WALT CO COM DISNEY TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: DIS, ACQUIRED THROUGH AVENUE BROKER. VALOR DE COST VALUE IN DOLLARS: US$ 760,88. BROKER: AVENUE | 3.823,75 | 3.823,75 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 138 | 03 | 01 | DVN - 19,78182 SHARES OF THE COMPANY DEVON ENERGY TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: DVN, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 871,09. BROKER: AVENUE | 0,00 | 4.837,04 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: DVN

**Financial Investment**

Profit or Loss: 50,42

Tax Paid Abroad: 15,08

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 47 | 03 | 01 | FTNT - 7,75409 SHARES OF THE COMPANY FORTINET TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: FTNT, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 481,37. BROKER: AVENUE | 2.485,00 | 2.485,00 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: FTNT

**Financial Investment**

Profit or Loss: 0,00

Tax Paid Abroad: 0,00

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 57 | 03 | 01 | GMRE - 65,48712643 ACOES DO REIT GLOBAL MEDICAL REIT, INC. TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: GMRE, ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLARS: US$ 584,39. BROKER: NOMAD | 962,87 | 3.176,43 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: GMRE

**Financial Investment**

Profit or Loss: 113,89

Tax Paid Abroad: 34,14

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 16 | 03 | 01 | GOOGL - 14,7952 SHARES OF THE COMPANY ALPHABET INC. (CLASS A) TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: GOOGL, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 1.433,82. BROKER: AVENUE | 7.324,95 | 7.324,95 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: GOOGL

**Financial Investment**

Profit or Loss: 50,27

Tax Paid Abroad: 15,11

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 110 | 03 | 01 | JNJ - 4,16973605 SHARES OF THE COMPANY JOHNSON & TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE JNJ ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLARS: US$ 600,00. BROKER: NOMAD | 0,00 | 3.646,80 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: JPM

**Financial Investment**

Profit or Loss: 0,00

Tax Paid Abroad: 0,00

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 71 | 03 | 01 | JPM - 1,00043297 SHARES OF THE COMPANY JPMORGAN CHASE & CO COM TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: JPM, ACQUIRED THROUGH NOMAD AND AVENUE BROKERS. COST VALUE IN DOLLARS: US$ 233,37. BROKER: NOMAD | 0,00 | 1.418,42 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: JPM

**Financial Investment**

Profit or Loss: 0,00

Tax Paid Abroad: 0,00

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 111 | 03 | 01 | KO - 17 SHARES OF THE COMPANY COCA COLA CO COM TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: KO, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 1.035,53. BROKER: AVENUE | 5.303,83 | 5.303,83 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: KO

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 148 | 03 | 01 | MCD - 3,198 SHARES OF THE COMPANY MCDONALD S CORP. TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER CODE: MCD, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 894,86. BROKER: AVENUE | 4.593,02 | 4.593,02 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: MCD

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 119,21 | Amount Received: | 0,00 |
| Tax Paid Abroad: | 35,74 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 21 | 03 | 01 | META - 2,71093 SHARES OF THE COMPANY META - META PLATFORMS, INC. TRADED ON THE UNITED STATES STOCK UNDER CODE: META, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLAR: US$ 865,40. BROKER: AVENUE | 4.188,04 | 4.188,04 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: META

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 30,10 | Amount Received: | 0,00 |
| Tax Paid Abroad: | 9,07 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 125 | 03 | 01 | MSFT - 7,90618 SHARES OF THE COMPANY MICROSOFT CORP COM TRADED ON THE UNITED STATES STOCK UNDER CODE: MSFT, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLAR: US$ 2.252,00. BROKER: AVENUE | 10.751,18 | 11.451,14 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: MSFT

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 132,79 | Amount Received: | 0,00 |
| Tax Paid Abroad: | 39,84 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 44 | 03 | 01 | NSSC - 12,53268 SHARES OF THE COMPANY NSSC TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: NSSC, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 435,43. BROKER: AVENUE | 2.241,65 | 2.241,65 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: NSSC

**Financial Investment**

Profit or Loss: 21,60

Tax Paid Abroad: 6,53

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 116 | 03 | 01 | NVDA - 45,19065 SHARES OF THE COMPANY NVIDIA TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: NVDA, ACQUIRED THROUGH XP_INTERNATIONAL AND AVENUE BROKERS . COST VALUE IN DOLLAR: US$ 1.635,32. BROKER:AVENUE | 6.023,61 | 8.273,97 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: NVDA

**Financial Investment**

Profit or Loss: 8,56

Tax Paid Abroad: 2,61

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 104 | 03 | 01 | O - 14,41404638 ACOES DO REIT REALTY INCOME TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: O, ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLAR: US$ 864,96. BROKER: NOMAD | 2.861,25 | 4.340,17 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: O

**Financial Investment**

Profit or Loss: 194,72

Tax Paid Abroad: 58,48

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 45 | 03 | 01 | PG - 2,943663 SHARES OF THE COMPANY PROCTER & GAMBLE TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: PG, ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLAR: DOLAR: US$ 500,00. BROKER: NOMAD | 0,00 | 3.039,00 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: PG

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 151 | 03 | 01 | SIRI - 94,675556 SHARES OF THE COMPANY SIRIUS XM HOLDINGS INC. TRADED ON THE UNITED STATES STOCK UNDER THE CODE: SIRI. COST VALUE IN DOLLARS: US$ 2.512,50. BROKER: XP INTERNATIONAL | 0,00 | 14.020,00 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: SIRI

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 0,00 | Amount Received: | 0,00 |
| Tax Paid Abroad: | 0,00 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 74 | 03 | 01 | SPG - 5,11248045 ACOES DO REIT SIMON PROPERTY GROUP INC TRADED ON THE UNITED STATES STOCK UNDER THE CODE: SPG, ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLARS: US$ 678,77. BROKER: NOMAD | 1.636,90 | 3.525,35 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: SPG

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 184,93 | Amount Received: | 0,00 |
| Tax Paid Abroad: | 55,51 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 83 | 03 | 01 | TSLA - 8,32034 SHARES OF THE COMPANY TESLA INC COM TRADED ON THE UNITED STATES STOCK UNDER THE CODE: TSLA, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 1.532,39. BROKER: AVENUE | 7.945,22 | 7.945,22 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: TSLA

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 0,00 | Amount Received: | 0,00 |
| Tax Paid Abroad: | 0,00 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 69 | 03 | 01 | XOM - 22,01637 SHARES OF THE COMPANY EXXON MOBIL CORP. TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: XOM, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 2.395,18. BROKER: AVENUE | 12.182,88 | 12.182,88 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: XOM

**Financial Investment**

Profit or Loss: 466,03

Tax Paid Abroad: 139,86

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 24 | 03 | 02 | MANAGING PARTNER WITH 1000 SHARES | 1.000,00 | 1.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 38.299.888/0001-88

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 170 | 04 | 01 | BRANCH AND ACCOUNT CLOSED | 0,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 60.746.948/0001-12

Bank: 237 Branch: 5307 Account: 17714-8

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 6 | 04 | 01 | SAVINGS ACCOUNT 2202 397.714-5 BALANCE AS OF 12/31/2023 208,36 BALANCE AS OF 12/31/2024 1.622,75 | 208,36 | 1.622,75 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 60.746.948/0001-12

Bank: 237 Branch: 2202 Account: 397714-5

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 12 | 04 | 01 | CPF: 38589845826 NAME: RILLIAN DIELLO LUCAS PIRES SAVINGS ACCOUNT BALANCE AS OF 12/31/2021 R$ 22,70 BALANCE AS OF 12/31/2022 R$ 15.798,56 RETURN R$ 25,30 | 0,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 60.746.948/0001-12

Bank: 237 Branch: 2498 Account: 5136-5

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 149 | 04 | 02 | BANCO AGIBANK S.A CDB FLU CDB3216I3B1 07/22/2024 R$ 1.125,11 | 1.125,11 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 146 | 04 | 02 | BANCO BMG S.A CDB PRE DU CDB524AKOB0 05/19/2028 | 0,00 | 4.000,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 68 | 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB123BUWJ0 02/05/2025 2.000,00 | 2.000,00 | 2.000,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 61.348.538/0001-86 | | | | | |
| 59 | 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB323MK8F2 08/17/2026 | 1.000,00 | 1.000,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 61.348.538/0001-86 | | | | | |
| 80 | 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB323MK8FR 05/19/2025 | 1.000,00 | 1.000,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 61.348.538/0001-86 | | | | | |
| 28 | 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B379T 11/18/2024 | 1.000,00 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 72 | 04 | 02 | BANCO MASTER S/A CDB FLU CDB2237BYBV 04/18/2028 2.001,19 | 2.001,19 | 2.001,19 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 33.923.798/0001-00 | | | | | |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 164 | 04 | 02 | BANCO ORIGINAL S/A 0,00 1.000,00 0,00 CDB PRE DU CDB3224G9NN 07/11/2024 | 1.000,00 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 92.894.922/0001-08 | | | | | |
| 122 | 04 | 02 | BANCO PINE S/A CDB FLU CDB1230YEW6 01/03/2025 R$ 1.000,00 | 1.000,00 | 1.000,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 62.144.175/0001-20 | | | | | |
| 120 | 04 | 02 | BANCO XP S.A. CDB FLU CDB1242FE4U 01/07/2026 | 0,00 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 102 | 04 | 02 | BIORC FINANCEIRA CREDITO FINANCI CDB FLU CDB223TI10C 06/18/2024 3.000,00 | 3.000,00 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 11.285.104/0001-06 | | | | | |
| 127 | 04 | 02 | COMPANY NAME NU FINANCEIRA S.A. CNPJ 30.680.829/0001-43 BRANCH: 0001 ACCOUNT: 1998778-1 | 590,04 | 11.996,60 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 30.680.829/0001-43 | | | | | |
| 169 | 04 | 02 | PERNAMBUCANAS 0,00 1.000,00 0,00 FINANCIADORA S/A C CDB FLU CDB322FAXU1 08/15/2024 | 1.000,00 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 2 | 04 | 02 | TREASURY DIRECT | 2.791,21 | 2.791,21 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 140 | 04 | 02 | TREASURY DIRECT LFT 03/01/2025 | 1.189,00 | 1.189,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 39 | 04 | 02 | TREASURY DIRECT LTN 01/01/2025 | 2.729,18 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 126 | 04 | 02 | TREASURY DIRECT LFT 03/01/2027 | 4.116,00 | 4.116,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 54 | 04 | 02 | TREASURY DIRECT LTN 01/01/2026 | 565,38 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 38 | 04 | 02 | TREASURY DIRECT LTN 01/01/2027 | 0,00 | 6.910,51 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 94 | 04 | 02 | TREASURY DIRECT NTN-B 08/15/2030 | 783,72 | 783,72 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 55 | 04 | 02 | TREASURY DIRECT NTN-B 08/15/2032 | 4.997,54 | 4.997,54 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 9 | 04 | 02 | TREASURY DIRECT NTN-B 08/15/2040 | 3.103,53 | 3.103,53 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 123 | 04 | 02 | TREASURY DIRECT NTNB PRINC 05/15/2029 | 8.454,68 | 8.143,30 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 82 | 04 | 02 | TREASURY DIRECT NTNB PRINC 08/15/2024 | 840,75 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 133 | 04 | 02 | TREASURY DIRECT NTNB PRINC 08/15/2026 | 6.660,00 | 6.660,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 87 | 04 | 02 | WILL FINANCEIRA LC FLU LC001900WST 10/15/2024<br>R$ 1.300,68 | 1.300,68 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 36.272.465/0001-49 | | | | | |
| 107 | 04 | 02 | ***AEGEA FINANCE SARL REG - 1000 INTERNATIONAL FIXED-INCOME SECURITIES UNDER THE CODE ***AEGEA FINANCE SARL REG TRADED ON THE UNITED STATES STOCK EXCHANGE. COST VALUE IN DOLLARS: US$ 1.029,00. BROKER: XP INTERNATIONAL | 0,00 | 5.635,73 |
| 249 - United States | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 0,00 | Amount Received: | 65,44 |
| Tax Paid Abroad: | 0,00 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 51 | 04 | 02 | ***BANCO BTG PACTUAL S - 1000 INTERNATIONAL FIXED-INCOME SECURITIES UNDER THE CODE ***BANCO BTG PACTUAL S TRADED ON THE UNITED STATES STOCK EXCHANGE. COST VALUE IN DOLLARS: US$ 979,00. BROKER: XP INTERNATIONAL | 0,00 | 5.355,81 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment**
Profit or Loss: 0,00
Tax Paid Abroad: 0,00

**Profits and Dividends**
Amount Received: 0,00
Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 11 | 04 | 02 | ***COSAN LTD REG S - 1000 INTERNATIONAL FIXED-INCOME SECURITIES UNDER THE CODE ***COSAN LTD REG S TRADED ON THE UNITED STATES STOCK EXCHANGE. COST VALUE IN DOLLARS: US$ 982,00. BROKER: XP INTERNATIONAL | 0,00 | 5.731,46 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment**
Profit or Loss: 0,00
Tax Paid Abroad: 0,00

**Profits and Dividends**
Amount Received: 0,00
Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 76 | 04 | 02 | ***MOVIDA EUROPE S A - 1000 INTERNATIONAL FIXED-INCOME SECURITIES UNDER THE CODE ***MOVIDA EUROPE S A TRADED ON THE UNITED STATES STOCK EXCHANGE. COST VALUE IN DOLLARS: US$ 970,50. BROKER: XP INTERNATIONAL | 0,00 | 5.303,88 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment**
Profit or Loss: 0,00
Tax Paid Abroad: 0,00

**Profits and Dividends**
Amount Received: 68,43
Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 130 | 04 | 02 | BERKSHIRE HATHAWAY FIN CORP SENIOR UNSECURED QTD.: 0,00 IN 2023 E 2.000,00 IN 2024 TRADING CODE: 084664CW9 | 0,00 | 9.524,62 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment**
Profit or Loss: 0,00
Tax Paid Abroad: 0,00

**Profits and Dividends**
Amount Received: 27,23
Tax Paid Abroad/Income Tax Brazil: 0,00

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 171 | 04 | 03 | BANCO BOCOM BBM SA 0,00 1.002,62 0,00 LCA PRE 22C01071475 03/28/2024 | 1.002,62 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 77 | 04 | 03 | BANCO BTG PACTUAL LCA 23C00368682 03/07/2025 R$ 2000,00 | 2.000,00 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 30.306.294/0001-45 | | | | | |
| 43 | 04 | 03 | BANCO BTG PACTUAL LCA 23K01957083 11/20/2024 R$ 1.000,00 | 1.000,00 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 30.306.294/0001-45 | | | | | |
| 158 | 04 | 03 | BANCO PAULISTA LCA 23K02440085 11/27/2024 R$3.000,00 | 3.000,00 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 61.820.817/0001-09 | | | | | |
| 48 | 04 | 03 | BARI COMPANHIA HIPOTECARIA LCI 23C00367669 03/09/2026 R$ 2.000,00 | 2.000,00 | 2.000,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 14.511.781/0001-93 | | | | | |
| 168 | 04 | 03 | BARI COMPANHIA HIPOTECARIA LCI 23C02666541 03/30/2026 R$ 2.000,00 | 2.000,00 | 2.000,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 14.511.781/0001-93 | | | | | |
| 113 | 04 | 03 | FIXED INCOME CRA POS 5,65% IPCA+ 16/08/2038 RAIZEN - CRA FLU CRA022008NB INSTITUTION: XP (02.332.886/0001-04) | 0,00 | 2.267,18 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 128 | 04 | 03 | FIXED INCOME CRA POS 6,6% IPCA+ 05/15/2034 JBS - CRA FLU CRA024004SA INSTITUTION: XP (02.332.886/0001-04) | 0,00 | 7.980,63 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 8 | 04 | 03 | FIXED INCOME CRA POS 6,6% IPCA+ 05/15/2037 VAMOS - CRA FLU CRA022004S9 INSTITUTION: XP (02.332.886/0001-04) | 0,00 | 5.525,29 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 41 | 04 | 03 | FIXED INCOME CRA POS 6,8% IPCA+ 03/15/2034 MARFRIG - CRA FLU CRA022008NB INSTITUTION: XP (02.332.886/0001-04 | 0,00 | 4.000,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 163 | 04 | 03 | FIXED INCOME DEBENTURE POS 5,65% IPCA+ 10/15/2038 CTEEP - DEB FLU U TRPLB4 INSTITUTION: XP (02.332.886/0001-04) | 0,00 | 2.195,65 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 14 | 04 | 03 | FIXED INCOME DEBENTURE POS 5,8% IPCA+ 09/15/2031 ELETROBRAS - INSTITUTION: XP (02.332.886/0001-04) DEB FLU C ELET14 15/09/2031 | 0,00 | 4.236,79 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 50 | 04 | 03 | FIXED INCOME LCA POS 93% CDI 10/09/2025 BANCO ITAU - INSTITUTION: XP (02.332.886/0001-04) | 0,00 | 15.800,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ: 02.332.886/0001-04 | | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 73 | 04 | 03 | FIXED INCOME LCA POS 95% CDI 09/10/2026 SICREDI - INSTITUTION: XP (02.332.886/0001-04) | 0,00 | 10.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 02.332.886/0001-04

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 98 | 04 | 03 | FIXED INCOME LCA POS 98% CDI 04/14/2026 ORIGINAL - INSTITUTION: XP (02.332.886/0001-04) | 0,00 | 6.000,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ: 02.332.886/0001-04

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 129 | 04 | 99 | 1 UNITED STATES TREASURY SECURITY US912828Z948 912828Z94 HELD IN CUSTODY AT APEX CLEARING CORPORATION BROKER. TOTAL ACQUISITION COST OF US$ 885,02 WITH AN AVERAGE DOLLAR RATE OF US$ 5,7081. | 0,00 | 5.051,78 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment** **Profits and Dividends**

Profit or Loss: 0,00 Amount Received: 0,00

Tax Paid Abroad: 0,00 Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 117 | 04 | 99 | 1 UNITED STATES TREASURY SECURITY US91282CAJ09 91282CAJ0 HELD IN CUSTODY AT APEX CLEARING CORPORATION BROKER. TOTAL ACQUISITION COST OF US$ 967,13 WITH AN AVERAGE DOLLAR RATE OF US$ 5,7143. | 0,00 | 5.526,47 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment** **Profits and Dividends**

Profit or Loss: 0,00 Amount Received: 0,00

Tax Paid Abroad: 0,00 Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 121 | 04 | 99 | 2 UNITED STATES TREASURY SECURITY US91282CGE57 91282CGE5 HELD IN CUSTODY AT APEX CLEARING CORPORATION BROKER. TOTAL ACQUISITION COST OF US$ 2.024,79 WITH AN AVERAGE DOLLAR RATE OF US$ 5,9334. | 0,00 | 12.015,23 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment** **Profits and Dividends**

Profit or Loss: 0,00 Amount Received: 0,00

Tax Paid Abroad: 0,00 Tax Paid Abroad/Income Tax Brazil: 0,00

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 29 | 04 | 99 | BERKSHIRE HATHAWAY FIN CORP - 2000 OPTIONS UNDER THECODE BERKSHIRE HATHAWAY FIN CORP<br>TRADED ON THE UNITED STATES STOCK EXCHANGE<br>UNDER THE CODE: BERKSHIRE HATHAWAY FIN<br>CORP, ACQUIRED THROUGH XP_INTERNATIONAL BROKER. COST VALUE IN DOLLARS:<br>US$ 1.743,00. BROKER: XP INTERNATIONAL | 0,00 | 9.525,67 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment**
Profit or Loss: 0,00
Tax Paid Abroad: 0,00

**Profits and Dividends**
Amount Received: 0,00
Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 167 | 06 | 01 | 5783-5 PARQUE DOS PODERES - MS<br>00.000.000/0001-91 01. CHECKING ACCOUNT AND VGBL - VALUES IN REAIS CHECKING ACCOUNT DESCRIPTION BALANCE AS OF 12/31/2022 R$ 559,22 BALANCE AS OF 12/31/2023 R$ 86,07 | 86,07 | 673,27 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:
CNPJ: 00.000.000/0001-91
Bank: 001 Branch: 5783 Account: 7167-6 Payment Account? No

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 63 | 06 | 01 | ASSETS AND RIGHTS INFORMATION FOR DECLARATION<br>ASSET GROUP: 06 - DEMAND DEPOSITS AND CASH CODE: 01 - CHECKING ACCOUNT OR PAYMENT ACCOUNT DEPOSIT LOCATION: 105 - Brazil | 0,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:
CNPJ: 22.896.431/0001-10
Bank: 380 Branch: 0001 Account: 8615836-8 Payment Account? No

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 62 | 06 | 01 | ACCOUNT CLOSED | 0,00 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:
CNPJ: 60.746.948/0001-12
Bank: 237 Branch: 2498 Account: 5136-5 Payment Account? No

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 99 | 06 | 01 | MERCADO PAGO ACCOUNT | 17,59 | 18,75 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 10.573.521/0001-91 | | | | | |
| Bank: 323 | Branch: 0001 | | Account: 4769357377-8 | Payment Account? No | |
| 92 | 06 | 01 | BANK DEPOSIT IN DOMESTIC CHECKING ACCOUNT CHECKING ACCOUNT DEPOSIT BRADESCO BRANCH ACCOUNT 2202 397.714-5 R$: 1,00 | 1,00 | 1,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 60.746.948/0001-12 | | | | | |
| Bank: 237 | Branch: 2202 | | Account: 397714-5 | Payment Account? No | |
| 66 | 06 | 01 | REPORTED BY CNPJ 02.332.886/0001-04 | 168,13 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| Bank: 102 | Branch: 0003 | | Account: 113991-0 | Payment Account? No | |
| 19 | 06 | 01 | US$ 0,00 BALANCE AT AVENUE CASH LLC (BANKI ACCOUNT) | 0,00 | 0,00 |
| 249 - United States | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| Branch: | Account: | | | Payment Account? No | |
| **Financial Investment** | | | | | |
| Profit or Loss: Tax Paid | | | 0,00 | | |
| Abroad: | | | 0,00 | | |
| 36 | 06 | 99 | REPORTED BY CNPJ 02.332.886/0001-04 (COMBINED BALANCE OF THE RICO AND XP ACCOUNT), AS THEY SHARE THE SAME CNPJ | 1.227,46 | 320,93 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 157 | 06 | 99 | BALANCE AT XP INVESTIMENTOS CCTVM S/A BRANCH 0002 ACCOUNT 1139910 BALANCE AS OF 12/31/2022 R$ 1,90 BALANCE AS OF 12/31/2023 R$ 168,13 | 168,13 | 0,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: | | | Taxpayer CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 30 | 06 | 99 | US$ 15.25 BALANCE AT DRIVEWE ALTH, LLC BROKER, CONVERTED AT THE PTAX RATE OF R$ 6,1917 AS OF 12/31/2024 | 8,91 | 94,42 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment**
Profit or Loss: 0,00
Tax Paid Abroad: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 105 | 06 | 99 | US$ 2.03 BALANCE AT APEX CLEARING CORPORATION BROKER, CONVERTED AT THE PTAX RATE OF R$ 6,1917 AS OF 12/31/2024. | 0,00 | 12,57 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment**
Profit or Loss: 0,00
Tax Paid Abroad: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 27 | 06 | 99 | US$ 27.21 BALANCE AT AVENUE SECURITIES LLC BROKER (INVESTMENT ACCOUNT) | 63,99 | 168,48 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment**
Profit or Loss: 0,00
Tax Paid Abroad: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 103 | 06 | 99 | US$ 435,57 BALANCE AVAILABLE AT BANCO COMMUNITY FEDERAL SAVINGS BANK, CONVERTED AT THE PTAX RATE OF R$ 6,19 AS OF 12/31/24. | 0,00 | 2.696,92 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**Financial Investment**
Profit or Loss: 0,00
Tax Paid Abroad: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 118 | 07 | 01 | 115,56041901 SHARES OF THE TREND INB FIXED-INCOME FUND - INSTITUTION: XP (02.332.886/0001-04). FUND CNPJ: 37.910.132/0001-60 – ADMINISTRATOR: 02.201.501/0001-61 | 0,00 | 160,77 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 37.910.132/0001-60

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 119 | 07 | 01 | 4188,89869185 SHARES OF THE KINEA IPCA DINAMICO II FUND - 385026 - INSTITUTION: XP (02.332.886/0001-04). FUND CNPJ: 39.586.835/0001-00 - ADMINISTRATOR: 62.418.140/0001-31 | 0,00 | 6.279,77 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ do Fundo: 39.586.835/0001-00 | | | | | |
| 152 | 07 | 01 | 6352,74728965 SHARES OF THE TREND DI FIXED-INCOME FUND - INSTITUTION: XP (02.332.886/0001-04). FUND CNPJ: 45.278.833/0001-57 - ADMINISTRATOR: 02.332.886/0001-04 | 0,00 | 8.216,25 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ do Fundo: 45.278.833/0001-57 | | | | | |
| 172 | 07 | 02 | SNAG11 - 200 SHARES OF FIAGRO SUNO AGRO - AGRIBUSINESS REAL ESTATE INVESTMENT FUND (FIAGRO SUNO), TRADING CODE ON B3: SNAG11. CNPJ: 28.152.777/0001-90, FUND ADMINISTRATOR: SINGULARE CORRETORA DE TITULOS E VALORES MOBILIARIOS S.A.(62.285.390/0001-40). AVERAGE UNIT COST OF R$ 10,133. BROKER: XP (02.332.886/0001-04) | 0,00 | 2.026,60 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ do Fundo: 28.152.777/0001-90 | | | | | |
| Exchange-Traded: Yes Trading Code: SNAG11 | | | | | |
| 134 | 07 | 03 | ALZR11 - 108 SHARES OF THE IMOBILIARIO ALIANZA TRUST RENDA IMOBILIARIA FDO INV IMOB (FII ALIANZA), TRADING CODE ON B3: ALZR11. CNPJ: 28.737.771/0001-85, FUND ADMINISTRATOR: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). AVERAGE UNIT COST OF R$ 110,6174. BROKER: XP (02.332.886/0001-04) | 8.938,64 | 11.946,68 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ do Fundo: 28.737.771/0001-85 | | | | | |
| Exchange-Traded: Yes Trading Code: ALZR11 | | | | | |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 85 | 07 | 03 | BCFF11 - 0 SHARES OF THE REAL ESTATE INVESTMENT FUND - FII BTG PACTUAL FUNDO DE FUNDOS (FII BC FFII), TRADING CODE ON B3: BCFF11. CNPJ: 11.026.627/0001-38, FUND ADMINISTRATOR: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). AVERAGE UNIT COST OF DE R$ 0,00. BROKER: XP (02.332.886/0001-04) | 8.549,44 | 0,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 11.026.627/0001-38

Exchange-Traded: Yes Trading Code: BCFF11

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 162 | 07 | 03 | BTHF11 - 640 SHARES OF THE IMOBILIARIO BTG PACTUAL REAL ESTATE HEDGE FUND REAL ESTATE INVESTMENT FUND (BTHF11), TRADING CODE ON B3: BTHF11. CNPJ: 45.188.176/0001-57, FUND ADMINISTRATOR: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). AVERAGE UNIT COST OF R$ 10,25. BROKER: XP (02.332.886/0001-04) | 0,00 | 6.560,00 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 45.188.176/0001-57

Exchange-Traded: Yes Trading Code: BTHF11

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 3 | 07 | 03 | BTLG11 - 30 SHARES OF THE IMOBILIARIO BTG PACTUAL LOGISTICA FDO INV IMOB - FII (FII BTLG), TRADING CODE ON B3: BTLG11. CNPJ: 11.839.593/0001-09, FUND ADMINISTRATOR: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). AVERAGE UNIT COST OF R$ 102,8343. BROKER: XP (02.332.886/0001- | 0,00 | 3.085,03 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 11.839.593/0001-09

Exchange-Traded: Yes Trading Code: BTLG11

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 13 | 07 | 03 | HGFF11 - 83 SHARES OF THE IMOBILIARIO PATRIA IMOBILIARIO FOF FII (FII CSHG FOF), TRADING CODE ON B3: HGFF11. CNPJ: 32.784.898/0001-22, FUND ADMINISTRATOR: BANCO GENIAL S.A.(45.246.410/0001-55). AVERAGE UNIT COST OF R$ 79,8417. BROKER: XP (02.332.886/0001-04) | 6.626,86 | 6.626,86 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 32.784.898/0001-22

Exchange-Traded: Yes Trading Code: HGFF11

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? No

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 40 | 07 | 03 | HGLG11 - 150 SHARES OF THE IMOBILIARIO PATRIA LOG LIMITED LIABILITY REAL ESTATE INVESTMENT TRUST (FII HGLG PAX), TRADING CODE ON B3: HGLG11. CNPJ: 11.728.688/0001-47, FUND ADMINISTRATOR: BANCO GENIAL S.A.(45.246.410/0001-55). CUSTO MEDIO UNITARIO DE R$ 167,4281. BROKER: XP (02.332.886/0001-04) | 25.114,22 | 25.114,22 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 11.728.688/0001-47

Exchange-Traded: Yes Trading Code: HGLG11

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 78 | 07 | 03 | HGRU11 - 30 SHARES OF THE PATRIA URBAN INCOME REAL ESTATE INVESTMENT TRUST (FII HGRU PAX), TRADING CODE ON B3: HGRU11. CNPJ: 29.641.226/0001-53, FUND ADMINISTRATOR: BANCO GENIAL S.A.(45.246.410/0001-55). AVERAGE UNIT COST OF R$ 118,2833. BROKER: XP (02.332.886/0001-04) | 0,00 | 3.548,50 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 29.641.226/0001-53

Exchange-Traded: Yes Trading Code: HGRU11

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 137 | 07 | 03 | KNRI11 - 125 SHARES OF THE KINEA REAL ESTATE INVESTMENT FUND - FII (FII KINEA CI), TRADING CODE ON B3: KNRI11. CNPJ: 12.005.956/0001-65, FUND ADMINISTRATOR: INTRAG DTVM(62.418.140/0001-31). AVERAGE UNIT COST OF R$ 154,5174. BROKER: XP (02.332.886/0001-04) | 12.433,89 | 19.314,68 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 12.005.956/0001-65

Exchange-Traded: Yes Trading Code: KNRI11

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 161 | 07 | 03 | LVBI11 - 35 SHARES OF THE REAL ESTATE INVESTMENT FUND - VBI LOGISTICO (FII VBI LOG), TRADING CODE ON B3: LVBI11. CNPJ: 30.629.603/0001-18, FUND ADMINISTRATOR: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). AVERAGE UNIT COST OF R$ 100,5812. BROKER: XP (02.332.886/0001-04) | 0,00 | 3.520,34 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 30.629.603/0001-18

Exchange-Traded: Yes Trading Code: LVBI11

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 15 | 07 | 03 | MALL11 - 45 SHARES OF THE MALLS BRASIL PLURAL REAL ESTATE INVESTMENT FUND (FII MALLS BP), TRADING CODE ON B3: MALL11. CNPJ: 26.499.833/0001-32, FUND ADMINISTRATOR: GERACAO FUTURO CORRETORA DE VALORES S.A.(27.652.684/0001-62). AVERAGE UNIT COST OF R$ 108,4924. BROKER: XP (02.332.886/0001-04) | 0,00 | 4.882,16 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 26.499.833/0001-32

Exchange-Traded: Yes Trading Code: MALL11

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 70 | 07 | 03 | MXRF11 - 1095 SHARES OF THE MAXI REAL ESTATE INVESTMENT FUND - FII (FII MAXI REN), TRADING CODE ON B3: MXRF11. CNPJ: 97.521.225/0001-25, FUND ADMINISTRATOR: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). AVERAGE UNIT COST OF R$ 10,2391. BROKER: XP (02.332.886/0001-04) | 11.108,88 | 11.211,81 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 97.521.225/0001-25

Exchange-Traded: Yes Trading Code: MXRF11

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 88 | 07 | 03 | RZTR11 - 54 SHARES OF THE RIZA TERRAX REAL ESTATE INVESTMENT FUND (FII RIZA TX), TRADING CODE ON B3: RZTR11. CNPJ: 36.501.128/0001-86, FUND ADMINISTRATOR: BRASIL PLURAL S.A BANCO MULTIPLO(45.246.410/0001-55). AVERAGE UNIT COST OF R$ 101,232. BROKER: XP | 4.244,21 | 5.466,53 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 36.501.128/0001-86

Exchange-Traded: Yes Trading Code: RZTR11

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 10 | 07 | 03 | TGAR11 - 60 SHARES OF THE TG ATIVO REAL REAL ESTATE INVESTMENT FUND (FII TG ATIVO), TRADING CODE ON B3: TGAR11. CNPJ: 25.032.881/0001-53, FUND ADMINISTRATOR: VORTX DTVM(22.610.500/0001-88). AVERAGE UNIT COST OF R$ 95,8376. BROKER: XP (02.332.886/0001-04) | 0,00 | 5.750,26 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 25.032.881/0001-53

Exchange-Traded: Yes Trading Code: TGAR11

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 75 | 07 | 03 | TRXF11 - 22 SHARES OF THE TRX REAL ESTATE INVESTMENT FUND. - FII (FII TRX REAL), TRADING CODE ON B3: TRXF11. CNPJ: 28.548.288/0001-52, FUND ADMINISTRATOR: BRL TRUST DTVM S.A.(13.486.793/0001-42). AVERAGE UNIT COST OF R$ 111,6732. BROKER: XP (02.332.886/0001-04) | 0,00 | 2.456,81 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ do Fundo: 28.548.288/0001-52 | | | | | |
| Exchange-Traded: Yes Trading Code: TRXF11 | | | | | |
| 147 | 07 | 03 | XPML11 - 152 SHARES OF THE XP MALLS REAL ESTATE INVESTMENT FUND (FII XP MALLS), TRADING CODE ON B3: XPML11. CNPJ: 28.757.546/0001-00, FUND ADMINISTRATOR: XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBILIARIOS S.A.(02.332.886/0001-04). AVERAGE UNIT COST OF R$ 113,0012. BROKER: XP (02.332.886/0001-04) | 10.165,43 | 17.176,18 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ do Fundo: 28.757.546/0001-00 | | | | | |
| Exchange-Traded: Yes Trading Code: XPML11 | | | | | |
| 46 | 07 | 04 | XP FMP FGTS ELETROBRAS 45.088.790/0001-47 COD. 04 | 1.669,71 | 1.669,71 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ do Fundo: 45.088.790/0001-47 | | | | | |
| Exchange-Traded: No | | | | | |
| 84 | 07 | 08 | 4188,89869185 SHARES OF THE KINEA IPCA DINAMICO II -385026 - INSTITUTION: XP (02.332.886/0001-04). FUND CNPJ: 39.586.835/0001-00 - ADMINISTRATOR: 62.418.140/0001-31 | 0,00 | 6.000,00 |
| 105 - Brazil | | | | | |
| Asset or right belonging to: Taxpayer CPF: | | | | | |
| CNPJ do Fundo: 39.586.835/0001-00 | | | | | |
| Exchange-Traded: No | | | | | |

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 165 | 07 | 08 | 6352,74728965 SHARES OF THE TREND DI FIXED-INCOME - INSTITUTION: XP (02.332.886/0001-04). FUND CNPJ: 45.278.833/0001-57 - ADMINISTRATOR: 02.332.886/0001-04 | 0,00 | 8.028,94 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 45.278.833/0001-57

Exchange-Traded: No

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 112 | 07 | 10 | 3269,36077966 SHARES OF THE ARX ELBRUS ADVISORY FI - INSTITUTION: XP (02.332.886/0001-04). FUND CNPJ: 32.319.627/0001-04 - ADMINISTRATOR: 02.201.501/0001-613269,36077966 SHARES OF THE ARX ELBRUS ADVISORY FI - INSTITUTION: RICO (02.332.886/0001-04). FUND CNPJ: 32.319.627/0001-04 - ADMINISTRATOR: 02.201.501/0001-61 | 4.273,25 | 4.273,25 |

105 - Brazil

Asset or right belonging to: Taxpayer CPF:

CNPJ do Fundo: 32.319.627/0001-04

Exchange-Traded: No

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 89 | 07 | 99 | 0.77562129 SHARES OF VANGUARD INFORMATION TECHNOLOGY ETF (VGT) HELD AT DRIVEWEALTH, LLC BROKER. TOTAL ACQUISITION COST OF US$ 500,00 WITH AN AVERAGE DOLLAR RATE OF US$ 5,9843. | 0,00 | 2.992,15 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: VGT

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 3,70 | Amount Received: | 0,00 |
| Tax Paid Abroad: | 1,11 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 37 | 07 | 99 | 0.84726269 SHARES OF GROWTH ETF VANGUARD (VUG) HELD AT DRIVEWEALTH, LLC BROKER. TOTAL ACQUISITION COST OF US$ 335,65 WITH AN AVERAGE DOLLAR RATE OF US$ 5,7435. | 0,00 | 1.928,00 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: VUG

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 2,79 | Amount Received: | 0,00 |
| Tax Paid Abroad: | 0,87 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 32 | 07 | 99 | 3.12739012 SHARES OF TOTAL INTERNATIONAL STOCK VANGUARD ETF (VXUS) HELD AT DRIVEWEALTH, LLC BROKER. TOTAL ACQUISITION COST OF US$ 194,63 WITH AN AVERAGE DOLLAR RATE OF US$ 5,7340. | 0,00 | 1.115,82 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: VXUS

**Financial Investment**

Profit or Loss: 19,36

Tax Paid Abroad: 5,80

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

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| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 135 | 07 | 99 | 4.11260192 SHARES OF ISHARES 0-3 MONTH TREASURY B (SGOV) HELD AT DRIVEWEALTH, LLC BROKER. TOTAL ACQUISITION COST OF US$ 413,64 WITH AN AVERAGE DOLLAR RATE OF US$ 5,3196. | 0,00 | 2.200,36 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: SGOV

**Financial Investment**

Profit or Loss: 66,21

Tax Paid Abroad: 19,91

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

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| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 56 | 07 | 99 | 4.31120921 SHARES OF HIGH DIVIDEND YIELD ETF VANGUARD (VYM) HELD AT DRIVEWEALTH, LLC BROKER. TOTAL ACQUISITION COST OF US$ 561,63 WITH AN AVERAGE DOLLAR RATE OF US$ 5,9389. | 0,00 | 3.334,54 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: VYM

**Financial Investment**

Profit or Loss: 25,65

Tax Paid Abroad: 7,71

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

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| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 143 | 07 | 99 | AGG - 1,15805425 SHARES OF THE ETF CORE US AGGREGATE BOND TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: AGG, ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLARS: US$ 114,63. BROKER: NOMAD | 0,00 | 691,14 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: AGG

**Financial Investment**

Profit or Loss: 2,28

Tax Paid Abroad: 0,68

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 52 | 07 | 99 | BSV - 6,42248 SHARES OF THE ETF VANGUARD SHORT-TERM BOND INDEX FUND TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: BSV, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 506,71. BROKER: AVENUE | 1.503,22 | 2.571,33 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: BSV

**Financial Investment**

Profit or Loss: 76,48

Tax Paid Abroad: 22,94

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 49 | 07 | 99 | CIBR - 0,979 SHARES OF THE ETF FIRST TR EXCHANGE TRADED FD II NASDAQ CYB ETF TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: CIBR, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 62,56. BROKER: AVENUE | 0,00 | 349,21 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: CIBR

**Financial Investment**

Profit or Loss: 0,50

Tax Paid Abroad: 0,12

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 144 | 07 | 99 | GDX - 18,05508 SHARES OF THE ETF VANECK VECTORS ETF TR GOLD MINERS ETF TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: GDX, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 602,64. BROKER: AVENUE | 2.963,35 | 3.042,98 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: GDX

**Financial Investment**

Profit or Loss: 44,74

Tax Paid Abroad: 13,41

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 34 | 07 | 99 | INDA - 2 SHARES OF THE ETF INDIA MSCI ETF ISHARES TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: INDA, ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLARS: US$ 111,44. BROKER: NOMAD | 0,00 | 671,89 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 108 | 07 | 99 | IVV - 2 SHARES OF THE ETF ISHARES TR CORE S&P500 ETF TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: IVV, ACQUIRED THROUGH NOMAD AND XP_INTERNATIONAL AND AVENUE BROKERS . COST VALUE IN DOLLARS: US$ 779,58. BROKER: AVENUE | 3.996,04 | 3.996,04 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: IVV

**Financial Investment**

Profit or Loss: 84,33

Tax Paid Abroad: 25,32

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 106 | 07 | 99 | SCHA - 16,56024083 SHARES OF THE ETF SCHWAB STRATEGIC TR US SML CAP ETF TRADED ON THE UNITED STATES STOCK UNDER THE CODE: SCHA, ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLARS: US$ 451,60.BROKER: NOMAD | 0,00 | 2.647,60 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: SCHA

**Financial Investment**

Profit or Loss: 16,94

Tax Paid Abroad: 5,08

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 156 | 07 | 99 | UNITED STATES TREASURY - 3 SHARES OF THE ETF UNITED STATES TREASURY TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: UNITED STATES TREASURY, ACQUIRED THROUGH NOMAD BROKER. COST VALUE IN DOLLARS: US$ 2.861,60. BROKER: NOMAD | 0,00 | 16.322,10 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: No

**Financial Investment**

Profit or Loss: 0,00

Tax Paid Abroad: 0,00

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 91 | 07 | 99 | VNQ - 12,60244 SHARES OF THE ETF VANGUARD INDEX FDS REAL ESTATE ETF TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: VNQ, ACQUIRED THROUGH NOMAD AND AVENUE BROKERS . COST VALUE IN DOLLARS: US$ 1.097,62. BROKER: AVENUE | 4.042,09 | 5.567,67 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: VNQ

**Financial Investment**

Profit or Loss: 213,95

Tax Paid Abroad: 64,16

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 64 | 07 | 99 | VOO - 5,26866 SHARES OF THE ETF VANGUARD INDEX FDS S&P 500 ETF SHS TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: VOO, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 1.965,32. BROKER: AVENUE | 9.961,74 | 9.961,74 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: No

**Financial Investment**

Profit or Loss: 197,34

Tax Paid Abroad: 59,21

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 67 | 07 | 99 | VWO - 25,572 SHARES OF THE ETF VANGUARD INTL EQUITY INDEX FDS FTSE EMR MKT TRADED ON THE UNITED STATES STOCK EXCHANGE UNDER THE CODE: VWO, ACQUIRED THROUGH AVENUE BROKER. COST VALUE IN DOLLARS: US$ 1.041,86. BROKER: AVENUE | 5.266,45 | 5.266,45 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Exchange-Traded: Yes Trading Code: VWO

**Financial Investment**

Profit or Loss: 215,10

Tax Paid Abroad: 64,52

**Profits and Dividends**

Amount Received: 0,00

Tax Paid Abroad/Income Tax Brazil: 0,00

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 150 | 08 | 01 | BTC - 0,10960087 UNITS OF THE CRYPTOASSET BITCOIN (BTC) . WALLET/BROKER: BINANCE (). AVERAGE UNIT COST OF R$ 182.876,12260742 | 11.293,38 | 20.043,38 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Self-custody: No

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| | | | **Financial Investment** Profit or Loss: 0,00 Tax Paid Abroad: 0,00 **Profits and Dividends** Amount Received: 0,00 Tax Paid Abroad/Income Tax Brazil: 0,00 | | |
| 31 | 08 | 02 | BNB - 1,06638628 UNITS OF THE DIGITAL BINANCE COIN (BNB) . WALLET/BROKER: BINANCE (). AVERAGE UNIT COST OF R$ 3.188,33809452<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF:<br>Self-custody: No Code Altcoin: BNB<br>**Financial Investment** Profit or Loss: 0,00 Tax Paid Abroad: 0,00 **Profits and Dividends** Amount Received: 0,00 Tax Paid Abroad/Income Tax Brazil: 0,00 | 500,00 | 3.400,00 |
| 124 | 08 | 02 | DOGE - 159,26878732 UNITS OF THE DIGITAL DOGECOIN (DOGE). WALLET/BROKER: BINANCE (). AVERAGE UNIT COST OF R$ 2,134756<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF:<br>Self-custody: No Code Altcoin: DOGE<br>**Financial Investment** Profit or Loss: 0,00 Tax Paid Abroad: 0,00 **Profits and Dividends** Amount Received: 0,00 Tax Paid Abroad/Income Tax Brazil: 0,00 | 210,00 | 340,00 |
| 42 | 08 | 02 | ETH - 1,18142636 UNITS OF THE DIGITAL ETHEREUM (ETH) . WALLET/BROKER: BINANCE (). AVERAGE UNIT COST OF R$ 10.808,96823734<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF:<br>Self-custody: No Code Altcoin: ETH<br>**Financial Investment** Profit or Loss: 0,00 Tax Paid Abroad: 0,00 **Profits and Dividends** Amount Received: 0,00 Tax Paid Abroad/Income Tax Brazil: 0,00 | 6.600,00 | 12.770,00 |
| 132 | 08 | 02 | SOL COIN - 1,65175423 UNITS OF THE DIGITAL SOLANA (SOL COIN) . WALLET/BROKER: BINANCE (). AVERAGE UNIT COST OF R$ 1.077,6421623<br>249 - United States<br>Asset or right belonging to: Taxpayer CPF:<br>Self-custody: No Code Altcoin: SOL<br>**Financial Investment** Profit or Loss: 0,00 Tax Paid Abroad: 0,00 **Profits and Dividends** Amount Received: 0,00 Tax Paid Abroad/Income Tax Brazil: 0,00 | 0,00 | 1.780,00 |

**STATEMENTS OF ASSETS AND RIGHTS** (Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 4 | 08 | 02 | THE - 6,27579279 UNITS OF THE DIGITAL THENA (THE) . WALLET/BROKER: BINANCE (). AVERAGE UNIT COST OF R$ 19,1210902 | 0,00 | 120,00 |

249 - United States

Asset or right belonging to: Taxpayer CPF:

Self-custody: No Code Altcoin: 999

| **Financial Investment** | | **Profits and Dividends** | |
|---|---|---|---|
| Profit or Loss: | 0,00 | Amount Received: | 0,00 |
| Tax Paid Abroad: | 0,00 | Tax Paid Abroad/Income Tax Brazil: | 0,00 |

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 35 | 99 | 07 | CREDITS IN TRANSIT (INTEREST ON EQUITY) RECEIVABLE FROM BBDC4 - BCO BRADESCO S.A.(BRADESCO). CNPJ: 60.746.948/0001-12 | 0,00 | 588,32 |

105 - Brazil

CNPJ: 60.746.948/0001-12

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 22 | 99 | 07 | CREDITS IN TRANSIT (INTEREST ON EQUITY) RECEIVABLE FROM EGIE3 - ENGIE BRASIL ENERGIA S.A.(ENGIE BRASIL). CNPJ: 02.474.103/0001-19 | 0,00 | 32,30 |

105 - Brazil

CNPJ: 02.474.103/0001-19

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 97 | 99 | 07 | CREDITS IN TRANSIT (INTEREST ON EQUITY) RECEIVABLE FROM ITSA4 - ITAUSA S.A.(ITAUSA). CNPJ: 61.532.644/0001-15 | 0,00 | 297,01 |

105 - Brazil

CNPJ: 61.532.644/0001-15

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 141 | 99 | 07 | CREDITS IN TRANSIT (INTEREST ON EQUITY) RECEIVABLE FROM KLBN4 - KLABIN S.A.(KLABIN S/A). CNPJ: 89.637.490/0001-45 | 0,00 | 53,61 |

105 - Brazil

CNPJ: 89.637.490/0001-45

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 166 | 99 | 07 | CREDITS IN TRANSIT (INTEREST ON EQUITY) RECEIVABLE FROM NEOE3 - NEOENERGIA S.A.(NEOENERGIA). CNPJ: 01.083.200/0001-18 | 0,00 | 44,28 |

105 - Brazil

CNPJ: 01.083.200/0001-18

## STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

| Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024? | No |
|---|---|

| ASSET | GROUP | CODE | DISCLOSURE | STATUS ON 12/31/2023 | STATUS ON 12/31/2024 |
|---|---|---|---|---|---|
| 159 | 99 | 07 | CREDITS IN TRANSIT (INTEREST ON EQUITY) RECEIVABLE FROM SAPR4 - CIA SANEAMENTO DO PARANA - SANEPAR(SANEPAR). CNPJ: 76.484.013/0001-45<br>105 - Brazil<br>CNPJ: 76.484.013/0001-45 | 0,00 | 392,15 |
| 145 | 99 | 07 | CREDITS IN TRANSIT (INTEREST ON EQUITY) RECEIVABLE FROM VALE3 - VALE S.A.(VALE). CNPJ: 33.592.510/0001-54<br>105 - Brazil<br>CNPJ: 33.592.510/0001-54 | 0,00 | 221,67 |
| 60 | 99 | 07 | CREDITS IN TRANSIT (INTEREST ON EQUITY) RECEIVABLE FROM B3SA3 - B3 S.A. BRASIL. BOLSA. BALCAO(B3). CNPJ: 09.346.601/0001-25<br>105 - Brazil<br>CNPJ: 09.346.601/0001-25 | 0,00 | 6,75 |
| **TOTAL** | | | | 537.590,37 | 832.633,45 |

## ENCUMBRANCES AND REAL LIABILITIES

No Information

## DONATIONS TO POLITICAL PARTIES AND CANDIDATES FOR ELECTIVE OFFICES

No Information

## STATEMENT OF RURAL ACTIVITY - BRAZIL

### IDENTIFICATION DATA OF THE EXPLORED PROPERTY - BRAZIL

No Information

### INCOME AND EXPENSES - BRAZIL

No Information

### CALCULATION OF THE RESULT - BRAZIL

No Information

### LIVESTOCK ACTIVITY - BRAZIL

No Information

### ASSETS OF RURAL ACTIVITY - BRAZIL

No Information

### DEBTS RELATED TO RURAL ACTIVITY - BRAZIL

No Information

## STATEMENT OF RURAL ACTIVITY - ABROAD

### IDENTIFICATION DATA OF THE EXPLORED PROPERTY - ABROAD

No Information

### INCOME AND EXPENSES - ABROAD

No Information

### CALCULATION OF THE RESULT - ABROAD

No Information

### LIVESTOCK ACTIVITY - ABROAD

No Information

### ASSETS OF RURAL ACTIVITY - ABROAD

No Information

### DEBTS RELATED TO RURAL ACTIVITY - ABROAD

No Information

### STATEMENT OF CAPITAL GAINS CALCULATION

No Information

## VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - TAXPAYER

### NET GAINS OR LOSSES - JAN

No Information

### NET GAINS OR LOSSES - FEB

No Information

### NET GAINS OR LOSSES - MAR

No Information

### NET GAINS OR LOSSES - APR

No Information

### NET GAINS OR LOSSES - MAY

No Information

### NET GAINS OR LOSSES - JUN

No Information

### NET GAINS OR LOSSES - JUL

No Information

### NET GAINS OR LOSSES - AUG

No Information

### NET GAINS OR LOSSES - SEP

No Information

### NET GAINS OR LOSSES - OCT

No Information

### NET GAINS OR LOSSES - NOV

No Information

### NET GAINS OR LOSSES - DEC

No Information

## VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - DEPENDENTS

No Information

## REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - TAXPAYER

No Information

## REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - DEPENDENTS

No Information

## DONATIONS DIRECTLY IN THE DECLARATION – ECA (STATUTE OF THE CHILD AND ADOLESCENT)

No Information

## DONATIONS DIRECTLY IN THE DECLARATION - ELDERLY

No Information

## STATEMENT OF CALCULATION – LAW 14.754/2023

**Statement of Calculation of Income Tax Levied on Income from Financial Investments Abroad and on Profits and Dividends of a Controlled Foreign Entity, and on the Offset of Losses from Financial Investments Abroad**

| Asset | Type | Gain/Loss | Tax Due | Tax Paid in Brazil/Abroad | Tax Base | Balance |
|---|---|---|---|---|---|---|
| | | | | | Prior-year loss: | 0,00 |
| 116 | AF | 8,56 | 1,28 | 2,61 | 0,00 | - |
| 125 | AF | 132,79 | 19,91 | 39,84 | 0,00 | - |
| 64 | AF | 197,34 | 29,60 | 59,21 | 0,00 | - |
| 49 | AF | 0,50 | 0,07 | 0,12 | 0,00 | - |
| 91 | AF | 213,95 | 32,09 | 64,16 | 0,00 | - |
| 65 | AF | 29,10 | 4,36 | 8,71 | 0,00 | - |
| 96 | AF | 219,52 | 32,92 | 65,83 | 0,00 | - |
| 154 | AF | 120,62 | 18,09 | - | 120,62 | 120,62 |
| 57 | AF | 113,89 | 17,08 | 34,14 | 0,00 | 120,62 |
| 74 | AF | 184,93 | 27,73 | 55,51 | 0,00 | 120,62 |
| 18 | AF | 64,52 | 9,67 | 19,36 | 0,00 | 120,62 |
| 56 | AF | 25,65 | 3,84 | 7,71 | 0,00 | 120,62 |
| 34 | AF | 4,86 | 0,72 | 1,46 | 0,00 | 120,62 |
| 135 | AF | 66,21 | 9,93 | 19,91 | 0,00 | 120,62 |
| 138 | AF | 50,42 | 7,56 | 15,08 | 0,00 | 120,62 |
| 52 | AF | 76,48 | 11,47 | 22,94 | 0,00 | 120,62 |
| 16 | AF | 50,27 | 7,54 | 15,11 | 0,00 | 120,62 |
| 108 | AF | 84,33 | 12,64 | 25,32 | 0,00 | 120,62 |
| 148 | AF | 119,21 | 17,88 | 35,74 | 0,00 | 120,62 |
| 37 | AF | 2,79 | 0,41 | 0,87 | 0,00 | 120,62 |
| 69 | AF | 466,03 | 69,90 | 139,86 | 0,00 | 120,62 |
| 53 | AF | 59,44 | 8,91 | 17,75 | 0,00 | 120,62 |
| 143 | AF | 2,28 | 0,34 | 0,68 | 0,00 | 120,62 |
| 44 | AF | 21,60 | 3,24 | 6,53 | 0,00 | 120,62 |
| 21 | AF | 30,10 | 4,51 | 9,07 | 0,00 | 120,62 |
| 106 | AF | 16,94 | 2,54 | 5,08 | 0,00 | 120,62 |
| 89 | AF | 3,70 | 0,55 | 1,11 | 0,00 | 120,62 |
| 104 | AF | 194,72 | 29,20 | 58,48 | 0,00 | 120,62 |
| 32 | AF | 19,36 | 2,90 | 5,80 | 0,00 | 120,62 |
| 67 | AF | 215,10 | 32,26 | 64,52 | 0,00 | 120,62 |
| 144 | AF | 44,74 | 6,71 | 13,41 | 0,00 | 120,62 |
| 111 | AF | 182,49 | 27,37 | 54,69 | 0,00 | 120,62 |
| 107 | LD | 65,44 | 9,81 | - | 65,44 | 186,06 |
| 130 | LD | 27,23 | 4,08 | - | 27,23 | 213,29 |
| 76 | LD | 68,43 | 10,26 | - | 68,43 | 281,72 |
| 151 | LD | 148,69 | 22,30 | 44,61 | 0,00 | 281,72 |

**NAME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **INCOME TAX - INDIVIDUAL**
**ANNUAL ADJUSTMENT DECLARATION** **TAX YEAR 2025** **CALENDAR YEAR 2024**

| | |
|---|---|
| **Tax Base:** | 281,72 |
| **Tax Due:** | 42,25 |

| **Type Key** | **Asset** |
|---|---|
| AF - Financial Investment<br>LD - Profits and Dividends | The identification of the asset can be verified in the printout of the Assets and Rights form. |

## SUMMARY — TAXATION USING THE LEGAL DEDUCTION

### TAXABLE INCOME

| | |
|---|---|
| Received from Legal Entity by the taxpayer | 138.370,81 |
| Received from Legal Entity by dependents | 0,00 |
| Received from Individual/Abroad by the taxpayer | 0,00 |
| Received from Individual/Abroad by Dependents | 0,00 |
| Received Cumulatively by the taxpayer | 0,00 |
| Received Cumulatively by dependents | 0,00 |
| Taxable Income from Rural Activity | 0,00 |
| TOTAL | 138.370,81 |

### DEDUCTIONS

| | |
|---|---|
| Contributions to the official and closed complementary pension systems referred to in § 15 of Article 40 of the CF (Federal Constitution)/1988 (up to the sponsor limit) | 8.443,53 |
| Contribution to the official pension system (Income received cumulatively) | 0,00 |
| Contribution to the complementary pension system, including the amount for the closed systems referred to in Article 40, § 15, of the CF (Federal Constitution)/1988, which exceeds the sponsor's limit | 15.000,00 |
| Dependents | 0,00 |
| Education Expenses | 0,00 |
| Medical Expenses | 0,00 |
| Judicial Alimony | 0,00 |
| Alimony by Public Deed | 0,00 |
| Judicial Alimony (Income received cumulatively) | 0,00 |
| Cash book | 0,00 |
| TOTAL | 23.443,53 |

### TAX DUE

| | |
|---|---|
| Tax Base | 114.927,28 |
| Tax Due | 20.864,02 |
| Incentive Deduction | 0,00 |
| Tax Due I | 20.864,02 |
| Tax Due RRA (on received accumulated income) | 0,00 |
| Tax Law 14.754/2023 | 42,25 |
| Tax Rate (%) | 15,07 |
| Total Tax Due | 20.906,27 |

| | |
|---|---|
| **TAX TO BE REFUNDED** | 4.745,37 |
| **BALANCE OF TAX PAYABLE** | 0,00 |

**INSTALLMENT PLAN**

| | |
|---|---|
| Installment Amount | 0,00 |
| Number of Installments | 0 |

### TAX PAID

| | |
|---|---|
| Tax Withheld at Source by the Taxpayer | 25.651,65 |
| Tax Withheld at Source by Dependents | 0,00 |
| Taxpayer's Carnê-Leão | 0,00 |
| Dependents' Carnê-Leão | 0,00 |
| Complementary Tax | 0,00 |
| Tax Paid Abroad | 0,00 |
| Tax Withheld at Source (Law No. 11.033/2004) | 0,00 |
| Tax Withheld RRA | 0,00 |
| Total Tax Paid | 25.651,65 |

**BANKING INFORMATION**

| | |
|---|---|
| Account Type | Pix |
| Bank | |
| Branch (without Checking Dig) | |
| Account for credit | |

**ASSET EVOLUTION**

| | |
|---|---|
| Assets and Rights on 12/31/2023 | 537.590,37 |
| Assets and Rights on 12/31/2024 | 832.633,45 |
| Encumbrances and Real Liabilities on 12/31/2023 | 0,00 |
| Encumbrances and Real Liabilities on 12/31/2024 | 0,00 |

**OTHER INFORMATION**

| | |
|---|---|
| Exempt and non-taxable income | 333.940,23 |
| Income subject to exclusive/definitive taxation | 12.704,57 |
| Taxable income - tax with suspended liability | 0,00 |
| Judicial Deposits of Tax | 0,00 |
| Tax Paid on Capital Gains | 0,00 |
| Tax Paid on Capital Gains Foreign Currency - Assets, Rights, and Financial Investments | 0,00 |
| Total tax withheld at source (Law No. 11.033/2004), as per the data provided by the taxpayer | 0,00 |
| Tax Paid on Variable Income | 0,00 |
| Donations to Political Parties and Candidates for Elective Office | 0,00 |
| Tax Payable on Capital Gain - Foreign Currency in Cash | 0,00 |
| Deferred Tax on Capital Gains | 0,00 |
| Tax Due on Capital Gains | 0,00 |
| Tax Due on Net Income from Variable Income | 0,00 |
| Tax Due on Capital Gains in Foreign Currency - Assets, Rights, and Financial Investments | 0,00 |

**I, André Vinícius Inacio Penna Mello, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**



**Date: September 16, 2026.**

**NOME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
**DECLARAÇÃO DE AJUSTE ANUAL** **EXERCÍCIO 2025** **ANO-CALENDÁRIO 2024**

## IDENTIFICAÇÃO DO CONTRIBUINTE

| | | | |
|---|---|---|---|
| Nome: | RILLIAN DIELLO LUCAS PIRES | CPF: | 385.898.458-26 |
| Data de Nascimento: | 27/12/1990 | | |
| Possui cônjuge ou companheiro(a)? | Sim | CPF do cônjuge ou companheiro(a): | 030.025.981-60 |

Era residente no exterior e passou a ser residente no Brasil em 2024? Não

Houve alteração de dados cadastrais? Não

Um dos declarantes é pessoa com doença grave ou portadora de deficiência física ou mental? Não

| | | | |
|---|---|---|---|
| Endereço: | RUA TREZE DE JUNHO | Número: | 3015 |
| Complemento: | CASA | Bairro/Distrito: | MONTE CASTELO |
| Município: | CAMPO GRANDE | UF: | MS |
| CEP: | 79010-200 | DDD/Telefone: | |
| E-mail: | | DDD/Celular: | (67) 9946-2784 |

| | |
|---|---|
| Natureza da Ocupação: | 12 - Proprietário de empresa ou de firma individual ou empregador-titular |
| Ocupação Principal: | 212 - Analista de sistemas, desenvolvedor de software, administrador de redes e bancos de dados e outros especialistas em informática (exceto técnico) |
| Tipo de declaração: | Declaração de Ajuste Anual Original |

Nº do recibo da última declaração entregue do exercício de 2024: 03.21.62.49.58-13

PROTEGIDA POR SIGILO FISCAL

## DEPENDENTES

Sem Informações

## ALIMENTANDOS

Sem Informações

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR

(Valores em Reais)

| NOME DA FONTE PAGADORA | REND. RECEBIDOS DE PES. JURÍDICA | CONTR. PREVID. OFICIAL | IMPOSTO RETIDO NA FONTE | 13º SALÁRIO | IRRF SOBRE 13º SALÁRIO |
|---|---|---|---|---|---|
| RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA<br>CNPJ/CPF: 38.299.888/0001-88 | 138.370,81 | 8.443,53 | 25.651,65 | 0,00 | 0,00 |
| **TOTAL** | 138.370,81 | 8.443,53 | 25.651,65 | 0,00 | 0,00 |

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES

Sem Informações

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELO TITULAR

Sem Informações

## RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELOS DEPENDENTES

Sem Informações

## RENDIMENTOS ISENTOS E NÃO TRIBUTÁVEIS

(Valores em Reais)

09. Lucros e dividendos recebidos 3.753,54

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 231,44 |
| Titular | 385.898.458-26 | 00.001.180/0001-26 | CENTRAIS ELETRICAS BRASILEIRAS SA ELETROBRAS | 32,81 |
| Titular | 385.898.458-26 | 02.255.187/0001-08 | UNIFIQUE TELECOMUNICACOES S/A | 40,78 |
| Titular | 385.898.458-26 | 02.474.103/0001-19 | ENGIE BRASIL ENERGIA S.A. | 26,81 |
| Titular | 385.898.458-26 | 07.628.528/0001-59 | BRASILAGRO - COMPANHIA BRASILEIRA DE PROPRIEDADES AGRICOLAS | 23,33 |
| Titular | 385.898.458-26 | 07.859.971/0001-30 | TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S/A | 163,91 |
| Titular | 385.898.458-26 | 09.346.601/0001-25 | B3 S.A. - BRASIL, BOLSA, BALCAO | 12,74 |
| Titular | 385.898.458-26 | 17.344.597/0001-94 | BB SEGURIDADE PARTICIPACOES S.A. | 46,14 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 306,84 |
| Titular | 385.898.458-26 | 33.592.510/0001-54 | VALE S.A. | 1.166,62 |
| Titular | 385.898.458-26 | 33.958.695/0001-78 | UNIPAR CARBOCLORO S.A. | 93,01 |
| Titular | 385.898.458-26 | 37.663.076/0001-07 | AUREN PARTICIPACOES S.A. | 64,83 |
| Titular | 385.898.458-26 | 42.278.473/0001-03 | WIZ CO PARTICIPACOES E CORRETAGEM DE SEGUROS S.A | 6,02 |
| Titular | 385.898.458-26 | 50.746.577/0001-15 | COSAN S.A. | 174,26 |
| Titular | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S.A. | 135,36 |
| Titular | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 785,50 |
| Titular | 385.898.458-26 | 76.483.817/0001-20 | COMPANHIA PARANAENSE DE ENERGIA - COPEL | 1,59 |
| Titular | 385.898.458-26 | 84.429.695/0001-11 | WEG SA | 110,53 |
| Titular | 385.898.458-26 | 84.683.374/0001-49 | TUPY S/A | 4,91 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 227,89 |
| Titular | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 98,22 |

12. Rendimentos de cadernetas de poupança, letras hipotecárias, letras de crédito do agronegócio e imobiliário (LCA e LCI) e certificados de recebíveis do agronegócio e imobiliários (CRA e CRI) 2.080,42

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 127,38 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 131,42 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 143,11 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 223,54 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 253,79 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 255,53 |

PROTEGIDA POR SIGILO FISCAL

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|---|---|---|---|---|
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 376,22 |
| Titular | 385.898.458-26 | 30.306.294/0001-45 | BANCO BTG PACTUAL S.A. | 44,93 |
| Titular | 385.898.458-26 | 30.306.294/0001-45 | BANCO BTG PACTUAL S.A. | 167,80 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 48,36 |
| Titular | 385.898.458-26 | 61.820.817/0001-09 | BANCO PAULISTA S.A. | 308,34 |

13. Rendimento de sócio ou titular de microempresa ou empresa de pequeno porte optante pelo Simples Nacional, exceto pro labore, aluguéis e serviços prestados — 316.365,26

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 38.299.888/0001-88 | RILLIAN DIELLO LUCAS PIRES DESENVOLVIMENTO DE SOFTWARE LTDA | 316.365,26 |

18. Incorporação de reservas ao capital / Bonificações em ações — 2.183,54

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 33.958.695/0001-78 | UNIPAR CARBOCLORO S.A. | 23,32 |
| Titular | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 1.775,73 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 384,49 |

99. Outros — 9.557,47

| Beneficiário | CPF | CPF/CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Descrição | Valor |
|---|---|---|---|---|---|
| Titular | 385.898.458-26 | 11.026.627/0001-38 | FUNDO DE INVESTIMENTO IMOBILIARIO - FII BTG PACTUAL FUNDO DE | RENDIMENTOS FII BCFF11 - (ADMIN:59.281.253/00 | 623,60 |
| Titular | 385.898.458-26 | 11.728.688/0001-47 | PATRIA LOG - FUNDO DE INVESTIMENTO IMOBILIARIO - RESPONSABIL | RENDIMENTOS FII HGLG11 - (ADMIN: 45.246.410/0001-55) | 1.980,00 |
| Titular | 385.898.458-26 | 11.839.593/0001-09 | BTG PACTUAL LOGISTICA FUNDO DE INVESTIMENTO IMOBILIARIO RESP | RENDIMENTOS FII BTLG11 - (ADMIN: 59.281.253/0001-23) | 159,16 |
| Titular | 385.898.458-26 | 12.005.956/0001-65 | KINEA RENDA IMOBILIARIA FUNDO DE INVESTIMENTO IMOBILIARIO RE | RENDIMENTOS FII KNRI11 - (ADMIN: 62.418.140/0001-31) | 1.178,85 |
| Titular | 385.898.458-26 | 25.032.881/0001-53 | FUNDO DE INVESTIMENTO IMOBILIARIO TG ATIVO REAL | RENDIMENTOS FII TGAR11 - (ADMIN: 22.610.500/0001-88) | 54,05 |
| Titular | 385.898.458-26 | 26.499.833/0001-32 | GENIAL MALLS FUNDO DE INVESTIMENTO IMOBILIARIO | RENDIMENTOS FII MALL11 - (ADMIN: 27.652.684/0001-62) | 176,40 |
| Titular | 385.898.458-26 | 28.152.777/0001-90 | SUNO AGRO FIAGRO IMOBILIARIO | RENDIMENTOS FII SNAG11 | 203,00 |
| Titular | 385.898.458-26 | 28.548.288/0001-52 | TRX REAL ESTATE FUNDO DE | RENDIMENTOS FII TRXF11 - (ADMIN: | 165,00 |

PROTEGIDA POR SIGILO FISCAL

| | | | | | |
|---|---|---|---|---|---|
| | | | INVESTIMENTO IMOBILIARIO - FII | 13.486.793/0001-42) | |
| Titular | 385.898.458-26 | 28.737.771/0001-85 | ALIANZA TRUST RENDA IMOBILIARIA - FUNDO DE INVESTIMENTO IMOB | RENDIMENTOS FII ALZR11 - (ADMIN: 59.281.253/0001-23) | 855,40 |
| Titular | 385.898.458-26 | 28.757.546/0001-00 | XP MALLS FUNDO DE INVESTIMENTO IMOBILIARIO - FII | RENDIMENTOS FII MXRF11 - (ADMIN: 59.281.253/0001-23) | 1.291,15 |
| Titular | 385.898.458-26 | 28.757.546/0001-00 | XP MALLS FUNDO DE INVESTIMENTO IMOBILIARIO - FII | RENDIMENTOS FII XPML11 - (ADMIN: 02.332.886/0001-04 | 1.476,83 |
| Titular | 385.898.458-26 | 29.641.226/0001-53 | PATRIA RENDA URBANA - FUNDO DE INVESTIMENTO IMOBILIARIO - RE | RENDIMENTOS FII HGRU11 - (ADMIN: 45.246.410/0001-55) | 27,00 |
| Titular | 385.898.458-26 | 30.629.603/0001-18 | FUNDO DE INVESTIMENTO IMOBILIARIO - VBI LOGISTICO | RENDIMENTOS FII LVBI11 - (ADMIN: 59.281.253/0001-23) | 29,05 |
| Titular | 385.898.458-26 | 32.784.898/0001-22 | PATRIA IMOBILIARIO FOF - FUNDO DE INVESTIMENTO IMOBILIARIO - | RENDIMENTOS FII HGFF11 - (ADMIN: 45.246.410/0001-55) | 697,20 |
| Titular | 385.898.458-26 | 36.501.128/0001-86 | FUNDO DE INVESTIMENTO IMOBILIARIO RIZA TERRAX | RENDIMENTOS FII RZTR11 - (ADMIN: 45.246.410/0001-55) | 578,70 |
| Titular | 385.898.458-26 | 45.188.176/0001-57 | BTG PACTUAL REAL ESTATE HEDGE FUND FII - FUNDO DE INVESTIMEN | RENDIMENTOS FII BTHF11 - (ADMIN: 59.281.253/0001-23) | 62,08 |

**TOTAL** 333.940,23

**RENDIMENTOS SUJEITOS À TRIBUTAÇÃO EXCLUSIVA / DEFINITIVA** (Valores em Reais)

06. Rendimentos de aplicações financeiras 5.132,54

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 40,68 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 41,91 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 74,35 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 148,55 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 185,81 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 222,16 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 255,74 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 275,95 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE | 411,99 |

PROTEGIDA POR SIGILO FISCAL

| | | | CAMBIO, TITULOS E VALORES MOBI | |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 875,45 |
| Titular | 385.898.458-26 | 02.332.886/0001-04 | XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBI | 966,03 |
| Titular | 385.898.458-26 | 10.573.521/0001-91 | MERCADO PAGO INSTITUICAO DE PAGAMENTO LTDA | 1,74 |
| Titular | 385.898.458-26 | 11.285.104/0001-06 | NEON FINANCEIRA - CREDITO, FINANCIAMENTO E INVESTIMENTO S.A | 308,60 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 6,72 |
| Titular | 385.898.458-26 | 36.272.465/0001-49 | REAG S A INSTITUICAO DE PAGAMENTO | 221,36 |
| Titular | 385.898.458-26 | 37.910.132/0001-60 | TREND INB FUNDO DE INVESTIMENTO EM COTAS RENDA FIXA SIMPLES | 9,16 |
| Titular | 385.898.458-26 | 39.586.835/0001-00 | KINEA IPCA DINAMICO II ADVISORY RENDA FIXA FUNDO DE INVESTIM | 279,67 |
| Titular | 385.898.458-26 | 45.278.833/0001-57 | TREND DI FUNDO DE INVESTIMENTO EM COTAS RENDA FIXA SIMPLES R | 485,78 |
| Titular | 385.898.458-26 | 62.169.875/0001-79 | NU INVESTIMENTOS S.A. - CORRETORA DE TITULOS E VALORES MOBIL | 80,31 |
| Titular | 385.898.458-26 | 92.894.922/0001-08 | BANCO ORIGINAL S/A | 240,58 |

10. Juros sobre capital próprio 5.131,66

| Beneficiário | CPF | CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Valor |
|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | 1.001,89 |
| Titular | 385.898.458-26 | 02.255.187/0001-08 | UNIFIQUE TELECOMUNICACOES S/A | 28,89 |
| Titular | 385.898.458-26 | 09.346.601/0001-25 | B3 S.A. - BRASIL, BOLSA, BALCAO | 13,48 |
| Titular | 385.898.458-26 | 33.000.167/0001-01 | PETROLEO BRASILEIRO S A PETROBRAS | 122,27 |
| Titular | 385.898.458-26 | 33.592.510/0001-54 | VALE S.A. | 848,93 |
| Titular | 385.898.458-26 | 42.278.473/0001-03 | WIZ CO PARTICIPACOES E CORRETAGEM DE SEGUROS S.A | 10,58 |
| Titular | 385.898.458-26 | 60.746.948/0001-12 | BANCO BRADESCO S.A. | 891,22 |
| Titular | 385.898.458-26 | 60.840.055/0001-31 | FLEURY S.A. | 429,71 |
| Titular | 385.898.458-26 | 61.532.644/0001-15 | ITAUSA S.A. | 1.194,27 |
| Titular | 385.898.458-26 | 76.484.013/0001-45 | COMPANHIA DE SANEAMENTO DO PARANA SANEPAR | 344,14 |
| Titular | 385.898.458-26 | 84.429.695/0001-11 | WEG SA | 59,73 |
| Titular | 385.898.458-26 | 89.637.490/0001-45 | KLABIN S.A. | 123,89 |
| Titular | 385.898.458-26 | 89.850.341/0001-60 | GRENDENE S A | 62,66 |

12. Aplicações Financeiras e Lucros e Dividendos no Exterior (Lei 14.754/2023) 2.417,01

13. Outros 23,36

| Beneficiário | CPF | CPF/CNPJ da Fonte Pagadora | Nome da Fonte Pagadora | Descrição | Valor |
|---|---|---|---|---|---|
| Titular | 385.898.458-26 | 00.000.000/0001-91 | BANCO DO BRASIL SA | OUTROS RENDIMENTOS (ATUALIZACAO MONETARIA, RENDIMENTOS SOBRE | 6,63 |

PROTEGIDA POR SIGILO FISCAL

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|---|---|---|---|---|---|
| Titular | 385.898.458-26 | 09.346.601/0001-25 | B3 S.A. - BRASIL, BOLSA, BALCAO | 02.APLICACOES DE RENDA FIXA 16,47 | 16,47 |
| Titular | 385.898.458-26 | 17.344.597/0001-94 | BB SEGURIDADE PARTICIPACOES S.A. | BBSE3 RENDIMENTO R$ 0,26 | 0,26 |

**TOTAL** 12.704,57

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR (IMPOSTO COM EXIGIBILIDADE SUSPENSA)**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES (IMPOSTO COM EXIGIBILIDADE SUSPENSA)**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELO TITULAR**

Sem Informações

**RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELOS DEPENDENTES**

Sem Informações

**IMPOSTO PAGO / RETIDO** (Valores em Reais)

| | |
|---|---|
| 01. Imposto complementar | 0,00 |
| 02. Imposto pago no exterior pelo titular e pelos dependentes | 0,00 |
| Imposto devido com os rendimentos no exterior | 0,00 |
| Imposto devido sem os rendimentos no exterior | 0,00 |
| Diferença a ser considerada para cálculo do imposto (limite legal) | 0,00 |
| 03. Imposto sobre a renda na fonte (Lei 11.033/2004) | 0,00 |
| 04. Imposto retido na fonte do titular | 25.651,65 |
| 05. Imposto retido na fonte dos dependentes | 0,00 |
| 06. Carnê-Leão do titular | 0,00 |
| 07. Carnê-Leão dos dependentes | 0,00 |

**PAGAMENTOS EFETUADOS** (Valores em Reais)

| CÓD. | NOME DO BENEFICIÁRIO | CPF/CNPJ DO BENEFICIÁRIO | VALOR PAGO | PARC. NÃO DEDUTÍVEL |
|---|---|---|---|---|
| Titular | | | | |
| 36 | XP VIDA E PREVIDENCIA S.A. | 29.408.732/0001-05 | 15.000,00 | 0,00 |
| Descrição: | PREVIDENCIA COMPLEMENTAR CONTRIBUICAO PARA PGB | | | |

**DOAÇÕES EFETUADAS**

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 58 | 01 | 11 | UMA FRACAO DE UMA MULTI PROPRIEDADE JUNTO A EMPRESA: JERI-1 EMPREENDIMENTO IMOBILIARIO SPE LTDA, CPNJ: 33.578.977/0001-40. ADQUIRIDAA EM 21/09/2023 SALDO DEVEDOR 38.190,10 VALOR PAGO ATE 2023 5.206,27 | 5.206,27 | 7.660,88 |

105 - Brasil

Inscrição Municipal (IPTU):

Logradouro: ROD CE 182 FZ. CAICARA GLEBA I — Nº: S/N
Comp.: BLOCO 02-308-09 — Bairro: ZONA RURAL
Município: CRUZ — UF: CE — CEP: 62595-000
Área Total: 0,0 — Data de Aquisição: 21/09/2023
Registrado no Cartório: Não

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 1 | 01 | 13 | 50% DE UM LOTE N. 39 NO CONDOMINIO PARAISO DA SERRA, LOCALIZADO NA PARTE DO LOTE 13 DO NUCLEO URBANO DA COLONIA DO PAXIXI, NO DISTRITO DE CAMISAO, AQUIDAUNA - MS. REFERENTE A FRACAO DO IMOVEL DE 22HA, SOB MATRICULA 4218 DO CARTORIO DE REGISTRO DE IMOVEIS DO 1 SERVICO NOTARIAAL DA COMARCA DE AQUIDAUNA - MS. MEDIDAS 12 C 21.67 AREA TOTAL 260. VALOR TOTAL R$ 30.000,00, PARTE R$ 15.000,00 | 15.000,00 | 15.000,00 |

105 - Brasil

Inscrição Municipal (IPTU):

Logradouro: COLONIA PAXIXI, DISTRITO DE CAMISAO — Nº: N/A
Comp.: NUCLEO URBANO — Bairro: CAMISAO
Município: AQUIDAUANA — UF: MS — CEP: 79202-000
Área Total: 260,0 m² — Data de Aquisição: 13/02/2023
Registrado no Cartório: Não

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 33 | 03 | 01 | ABEV3 - 0 ACOES DA EMPRESA AMBEV S.A. (AMBEV S/A), CODIGO DE NEGOCIACAO NA B3: ABEV3. CNPJ: 07.526.557/0001-00. CUSTO MEDIO UNITARIO DE R$ 0,00. CORRETORA: XP (02.332.886/0001-04) | 10.091,71 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular — CPF:
CNPJ: 07.526.557/0001-00
Negociados em Bolsa: Sim — Código de Negociação: ABEV3

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 114 | 03 | 01 | AESB3 - 0 ACOES DA EMPRESA AES BRASIL ENERGIA S.A. (AES BRASIL), CODIGO DE NEGOCIACAO NA B3: AESB3. CNPJ: 37.663.076/0001-07. CUSTO MEDIO UNITARIO DE R$ 0,00. CORRETORA: CLEAR (15.107.963/0001-66) AESB3 - 0 ACOES DA EMPRESA AES BRASIL ENERGIA S.A. (AESBRASIL), CODIGO DE NEGOCIACAO NA B3: AESB3. CNPJ: 37.663.076/0001-07. CUSTO MEDIO UNITARIO DE R$ 0,00. CORRETORA: XP (02.332.886/0001-04) | 11.711,20 | 0,00 |

105 - Brasil

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| | | | Bem ou direito pertencente ao: Titular CPF: CNPJ: 37.663.076/0001-07 Negociados em Bolsa: Sim Código de Negociação: AESB3 | | |
| 139 | 03 | 01 | AGRO3 - 14 ACOES DA EMPRESA BRASILAGRO - CIA BRAS DE PROP AGRICOLAS (BRASILAGRO), CODIGO DE NEGOCIACAO NA B3: AGRO3. CNPJ: 07.628.528/0001-59. CUSTO MEDIO UNITARIO DE R$ 24,8664. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 348,13 |
| | | | 105 - Brasil Bem ou direito pertencente ao: Titular CPF: CNPJ: 07.628.528/0001-59 Negociados em Bolsa: Sim Código de Negociação: AGRO3 | | |
| 23 | 03 | 01 | B3SA3 - 124 ACOES DA EMPRESA B3 S.A. BRASIL. BOLSA. BALCAO (B3), CODIGO DE NEGOCIACAO NA B3: B3SA3. CNPJ: 09.346.601/0001-25. CUSTO MEDIO UNITARIO DE R$ 12,17. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 1.509,08 |
| | | | 105 - Brasil Bem ou direito pertencente ao: Titular CPF: CNPJ: 09.346.601/0001-25 Negociados em Bolsa: Sim Código de Negociação: B3SA3 | | |
| 109 | 03 | 01 | BBAS3 - 550 ACOES DA EMPRESA BCO BRASIL S.A. (BRASIL), CODIGO DE NEGOCIACAO NA B3: BBAS3. CNPJ: 00.000.000/0001-91. CUSTO MEDIO UNITARIO DE R$ 21,1007. CORRETORA: XP (02.332.886/0001-04) | 10.159,70 | 11.605,39 |
| | | | 105 - Brasil Bem ou direito pertencente ao: Titular CPF: CNPJ: 00.000.000/0001-91 Negociados em Bolsa: Sim Código de Negociação: BBAS3 | | |
| 17 | 03 | 01 | BBDC4 - 1268 ACOES DA EMPRESA BCO BRADESCO S.A. (BRADESCO), CODIGO DE NEGOCIACAO NA B3: BBDC4. CNPJ: 60.746.948/0001-12. CUSTO MEDIO UNITARIO DE R$ 16,7597. CORRETORA: XP (02.332.886/0001-04) | 20.027,00 | 21.251,30 |
| | | | 105 - Brasil Bem ou direito pertencente ao: Titular CPF: CNPJ: 60.746.948/0001-12 Negociados em Bolsa: Sim Código de Negociação: BBDC4 | | |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 136 | 03 | 01 | BBSE3 - 18 ACOES DA EMPRESA BB SEGURIDADE PARTICIPACOES S.A. (BBSEGURIDADE), CODIGO DE NEGOCIACAO NA B3: BBSE3. CNPJ: 17.344.597/0001-94. CUSTO MEDIO UNITARIO DE R$ 34,2107. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 615,79 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 17.344.597/0001-94

Negociados em Bolsa: Sim Código de Negociação: BBSE3

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 20 | 03 | 01 | BEEF3 - 0 ACOES DA EMPRESA MINERVA S.A. (MINERVA), CODIGO DE NEGOCIACAO NA B3: BEEF3. CNPJ: 67.620.377/0001-14. CUSTO MEDIO UNITARIO DE R$ 0,00. CORRETORA: XP (02.332.886/0001-04) | 7.588,94 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 67.620.377/0001-14

Negociados em Bolsa: Sim Código de Negociação: BEEF3

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 100 | 03 | 01 | CSAN3 - 386 ACOES DA EMPRESA COSAN S.A. (COSAN), CODIGO DE NEGOCIACAO NA B3: CSAN3. CNPJ: 50.746.577/0001-15. CUSTO MEDIO UNITARIO DE R$ 17,9427. CORRETORA: XP (02.332.886/0001- 04) | 6.925,88 | 6.925,88 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 50.746.577/0001-15

Negociados em Bolsa: Sim Código de Negociação: CSAN3

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 81 | 03 | 01 | EGIE3 - 124 ACOES DA EMPRESA ENGIE BRASIL ENERGIA S.A. (ENGIE BRASIL), CODIGO DE NEGOCIACAO NA B3: EGIE3. CNPJ: 02.474.103/0001-19. CUSTO MEDIO UNITARIO DE R$ 40,7643. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 5.054,77 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 02.474.103/0001-19

Negociados em Bolsa: Sim Código de Negociação: EGIE3

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 142 | 03 | 01 | ELET6 - 131 ACOES DA EMPRESA CENTRAIS ELET BRAS S.A. ELETROBRAS (ELETROBRAS), CODIGO DE NEGOCIACAO NA B3: ELET6. CNPJ: 00.001.180/0001-26. CUSTO MEDIO UNITARIO DE R$ 42,3838. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 5.552,28 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 00.001.180/0001-26

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| Negociados em Bolsa: Sim | | | Código de Negociação: ELET6 | | |
| 153 | 03 | 01 | FIQE3 - 480 ACOES DA EMPRESA UNIFIQUE TELECOMUNICACOES S.A. (UNIFIQUE), CODIGO DE NEGOCIACAO NA B3: FIQE3. CNPJ: 02.255.187/0001-08. CUSTO MEDIO UNITARIO DE R$ 4,1933. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 2.012,78 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.255.187/0001-08 | | | | | |
| Negociados em Bolsa: Sim | | | Código de Negociação: FIQE3 | | |
| 115 | 03 | 01 | FLRY3 - 917 ACOES DA EMPRESA FLEURY S.A. (FLEURY), CODIGO DE NEGOCIACAO NA B3: FLRY3. CNPJ: 60.840.055/0001-31. CUSTO MEDIO UNITARIO DE R$ 20,6813. CORRETORA: XP (02.332.886/0001- 04) | 18.964,75 | 18.964,75 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 60.840.055/0001-31 | | | | | |
| Negociados em Bolsa: Sim | | | Código de Negociação: FLRY3 | | |
| 5 | 03 | 01 | GRND3 - 0 ACOES DA EMPRESA GRENDENE S.A. (GRENDENE), CODIGO DE NEGOCIACAO NA B3: GRND3. CNPJ: 89.850.341/0001- 60. CUSTO MEDIO UNITARIO DE R$ 0,00. CORRETORA: XP (02.332.886/0001-04) | 6.684,93 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 89.850.341/0001-60 | | | | | |
| Negociados em Bolsa: Sim | | | Código de Negociação: GRND3 | | |
| 160 | 03 | 01 | ITSA4 - 2764 ACOES DA EMPRESA ITAUSA S.A. (ITAUSA), CODIGO DE NEGOCIACAO NA B3: ITSA4. CNPJ: 61.532.644/0001-15. CUSTO MEDIO UNITARIO DE R$ 11,4181. CORRETORA: XP (02.332.886/0001- 04) | 29.092,53 | 31.559,63 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 61.532.644/0001-15 | | | | | |
| Negociados em Bolsa: Sim | | | Código de Negociação: ITSA4 | | |

PROTEGIDO POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 25 | 03 | 01 | KLBN4 - 1486 ACOES DA EMPRESA KLABIN S.A. (KLABIN S/A), CODIGO DE NEGOCIACAO NA B3: KLBN4. CNPJ: 89.637.490/0001-45. CUSTO MEDIO UNITARIO DE R$ 4,1828. CORRETORA: XP (02.332.886/0001-04) | 5.831,05 | 6.215,64 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 89.637.490/0001-45

Negociados em Bolsa: Sim Código de Negociação: KLBN4

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 93 | 03 | 01 | NEOE3 - 200 ACOES DA EMPRESA NEOENERGIA S.A. (NEOENERGIA), CODIGO DE NEGOCIACAO NA B3: NEOE3. CNPJ: 01.083.200/0001-18. CUSTO MEDIO UNITARIO DE R$ 18,8556. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 3.771,12 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 01.083.200/0001-18

Negociados em Bolsa: Sim Código de Negociação: NEOE3

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 7 | 03 | 01 | PETR4 - 357 ACOES DA EMPRESA PETROLEO BRASILEIRO S.A. PETROBRAS (PETROBRAS), CODIGO DE NEGOCIACAO NA B3: PETR4. CNPJ: 33.000.167/0001-01. CUSTO MEDIO UNITARIO DE R$ 27,1263. CORRETORA: XP (02.332.886/0001-04) | 8.714,25 | 9.684,09 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 33.000.167/0001-01

Negociados em Bolsa: Sim Código de Negociação: PETR4

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 155 | 03 | 01 | SAPR4 - 1509 ACOES DA EMPRESA CIA SANEAMENTO DO PARANA - SANEPAR (SANEPAR), CODIGO DE NEGOCIACAO NA B3: SAPR4. CNPJ: 76.484.013/0001-45. CUSTO MEDIO UNITARIO DE R$ 4,1332. CORRETORA: XP (02.332.886/0001-04) | 5.672,92 | 6.237,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 76.484.013/0001-45

Negociados em Bolsa: Sim Código de Negociação: SAPR4

PROTEGIDO POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 61 | 03 | 01 | TAEE4 - 0 ACOES DA EMPRESA TRANSMISSORA ALIANCA DE ENERGIA ELETRICA S.A. (TAESA), CODIGO DE NEGOCIACAO NA B3: TAEE4. CNPJ: 07.859.971/0001-30. CUSTO MEDIO UNITARIO DE R$ 0,00. CORRETORA: XP (02.332.886/0001-04) | 8.709,89 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 07.859.971/0001-30

Negociados em Bolsa: Sim Código de Negociação: TAEE4

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 26 | 03 | 01 | TUPY3 - 40 ACOES DA EMPRESA TUPY S.A. (TUPY), CODIGO DE NEGOCIACAO NA B3: TUPY3. CNPJ: 84.683.374/0001-49. CUSTO MEDIO UNITARIO DE R$ 25,342. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 1.013,68 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 84.683.374/0001-49

Negociados em Bolsa: Não

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 101 | 03 | 01 | UNIP6 - 25 ACOES DA EMPRESA UNIPAR CARBOCLORO S.A. (UNIPAR), CODIGO DE NEGOCIACAO NA B3: UNIP6. CNPJ: 33.958.695/0001-78. CUSTO MEDIO UNITARIO DE R$ 56,7718. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 1.419,30 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 33.958.695/0001-78

Negociados em Bolsa: Sim Código de Negociação: UNIP6

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 86 | 03 | 01 | VALE3 - 501 ACOES DA EMPRESA VALE S.A. (VALE), CODIGO DE NEGOCIACAO NA B3: VALE3. CNPJ: 33.592.510/0001-54. CUSTO MEDIO UNITARIO DE R$ 77,0867. CORRETORA: XP (02.332.886/0001-04) | 32.935,30 | 38.620,44 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 33.592.510/0001-54

Negociados em Bolsa: Sim Código de Negociação: VALE3

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 95 | 03 | 01 | WEGE3 - 371 ACOES DA EMPRESA WEG S.A. (WEG), CODIGO DE NEGOCIACAO NA B3: WEGE3. CNPJ: 84.429.695/0001-11. CUSTO MEDIO UNITARIO DE R$ 33,3211. CORRETORA: XP (02.332.886/0001-04) | 12.362,13 | 12.362,13 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 84.429.695/0001-11

Negociados em Bolsa: Sim Código de Negociação: WEGE3

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 79 | 03 | 01 | WIZC3 - 114 ACOES DA EMPRESA WIZ CO PARTICIPACOES E CORRETAGEM DE SEGUROS S.A. (WIZ), CODIGO DE NEGOCIACAO NA B3: WIZC3. CNPJ: 42.278.473/0001-03. CUSTO MEDIO UNITARIO DE R$ 6,302. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 718,43 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 42.278.473/0001-03

Negociados em Bolsa: Sim Código de Negociação: WIZC3

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 18 | 03 | 01 | AAPL - 12,84473 ACOES DA EMPRESA APPLE INC. NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: AAPL, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 2.064,66. CORRETORA: AVENUE | 9.533,23 | 10.644,24 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: AAPL

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 64,52 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 19,36 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 90 | 03 | 01 | AMZN - 17,43891 ACOES DA EMPRESA AMAZON.COM INC. NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: AMZN, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 2.119,24. CORRETORA: AVENUE | 9.660,84 | 10.906,27 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: AMZN

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 0,00 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 0,00 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 53 | 03 | 01 | AVB - 3,0141362 ACOES DO REIT AVALONBAY COMMUNITIES NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: AVB, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 623,52. CORRETORA: NOMAD | 1.268,41 | 3.314,64 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: AVB

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 59,44 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 17,75 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 96 | 03 | 01 | BAC - 43,17673 ACOES DA EMPRESA BANK OF AMERICA CORP NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: BAC, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 1.430,47. CORRETORA: AVENUE | 5.730,33 | 7.438,75 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: BAC

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 219,52 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 65,83 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 154 | 03 | 01 | BHP - 14,85705 ACOES DA EMPRESA BHP BILLITON LIMITED NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: BHP, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 882,20. CORRETORA: AVENUE | 0,00 | 4.649,56 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: BHP

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 120,62 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 0,00 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 131 | 03 | 01 | BRKB - 12,24917 ACOES DA EMPRESA BERKSHIRE HATHAWAY INC DEL CL B NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: BRKB, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 3.866,59. CORRETORA: AVENUE | 17.733,89 | 19.719,12 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: BRKB

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 0,00 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 0,00 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 65 | 03 | 01 | DIS - 7,2725 ACOES DA EMPRESA DISNEY WALT CO COM DISNEY NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: DIS, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 760,88. CORRETORA: AVENUE | 3.823,75 | 3.823,75 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| | | | Negociados em Bolsa: Sim Código de Negociação: DIS<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 29,10 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 8,71 Imposto Pago Exterior/IRRF Brasil: 0,00 | | |
| 138 | 03 | 01 | DVN - 19,78182 ACOES DA EMPRESA DEVON ENERGY NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: DVN, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 871,09. CORRETORA: AVENUE<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Negociados em Bolsa: Sim Código de Negociação: DVN<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 50,42 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 15,08 Imposto Pago Exterior/IRRF Brasil: 0,00 | 0,00 | 4.837,04 |
| 47 | 03 | 01 | FTNT - 7,75409 ACOES DA EMPRESA FORTINET NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: FTNT, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 481,37. CORRETORA: AVENUE<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Negociados em Bolsa: Sim Código de Negociação: FTNT<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 0,00 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | 2.485,00 | 2.485,00 |
| 57 | 03 | 01 | GMRE - 65,48712643 ACOES DO REIT GLOBAL MEDICAL REIT, INC. NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: GMRE, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 584,39. CORRETORA: NOMAD<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Negociados em Bolsa: Sim Código de Negociação: GMRE<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 113,89 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 34,14 Imposto Pago Exterior/IRRF Brasil: 0,00 | 962,87 | 3.176,43 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 16 | 03 | 01 | GOOGL - 14,7952 ACOES DA EMPRESA ALPHABET INC. (CLASS A) NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: GOOGL, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 1.433,82. CORRETORA: AVENUE | 7.324,95 | 7.324,95 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: GOOGL

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 50,27 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 15,11 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 110 | 03 | 01 | JNJ - 4,16973605 ACOES DA EMPRESA JOHNSON & JOHNSON NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: JNJ, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 600,00. CORRETORA: NOMAD | 0,00 | 3.646,80 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: JPM

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 0,00 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 0,00 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 71 | 03 | 01 | JPM - 1,00043297 ACOES DA EMPRESA JPMORGAN CHASE & CO COM NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: JPM, ADQUIRIDAS PELAS CORRETORAS NOMAD E AVENUE . VALOR DE CUSTO EM DOLAR: US$ 233,37. CORRETORA: NOMAD | 0,00 | 1.418,42 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: JPM

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 0,00 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 0,00 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 111 | 03 | 01 | KO - 17 ACOES DA EMPRESA COCA COLA CO COM NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: KO, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 1.035,53. CORRETORA: AVENUE | 5.303,83 | 5.303,83 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: KO

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 148 | 03 | 01 | MCD - 3,198 ACOES DA EMPRESA MCDONALD S CORP. NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: MCD, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 894,86. CORRETORA: AVENUE | 4.593,02 | 4.593,02 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: MCD

**Aplicação Financeira**

Lucro ou Prejuízo: 119,21
Imposto Pago no Exterior: 35,74

**Lucros e Dividendos**

Valor Recebido: 0,00
Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 21 | 03 | 01 | META - 2,71093 ACOES DA EMPRESA META - META PLATFORMS, INC. NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: META, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 865,40. CORRETORA: AVENUE | 4.188,04 | 4.188,04 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: META

**Aplicação Financeira**

Lucro ou Prejuízo: 30,10
Imposto Pago no Exterior: 9,07

**Lucros e Dividendos**

Valor Recebido: 0,00
Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 125 | 03 | 01 | MSFT - 7,90618 ACOES DA EMPRESA MICROSOFT CORP COM NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: MSFT, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 2.252,00. CORRETORA: AVENUE | 10.751,18 | 11.451,14 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: MSFT

**Aplicação Financeira**

Lucro ou Prejuízo: 132,79
Imposto Pago no Exterior: 39,84

**Lucros e Dividendos**

Valor Recebido: 0,00
Imposto Pago Exterior/IRRF Brasil: 0,00

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 44 | 03 | 01 | NSSC - 12,53268 ACOES DA EMPRESA NSSC NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: NSSC, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 435,43. CORRETORA: AVENUE | 2.241,65 | 2.241,65 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: NSSC

**Aplicação Financeira**

Lucro ou Prejuízo: 21,60

Imposto Pago no Exterior: 6,53

**Lucros e Dividendos**

Valor Recebido: 0,00

Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 116 | 03 | 01 | NVDA - 45,19065 ACOES DA EMPRESA NVIDIA CORPORATION NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: NVDA, ADQUIRIDAS PELAS CORRETORAS XP_INTERNATIONAL E AVENUE . VALOR DE CUSTO EM DOLAR: US$ 1.635,32. CORRETORA:AVENUE | 6.023,61 | 8.273,97 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: NVDA

**Aplicação Financeira**

Lucro ou Prejuízo: 8,56

Imposto Pago no Exterior: 2,61

**Lucros e Dividendos**

Valor Recebido: 0,00

Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 104 | 03 | 01 | O - 14,41404638 ACOES DO REIT REALTY INCOME CORPORATION NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: O, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 864,96. CORRETORA: NOMAD | 2.861,25 | 4.340,17 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: O

**Aplicação Financeira**

Lucro ou Prejuízo: 194,72

Imposto Pago no Exterior: 58,48

**Lucros e Dividendos**

Valor Recebido: 0,00

Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 45 | 03 | 01 | PG - 2,943663 ACOES DA EMPRESA PROCTER & GAMBLE NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: PG, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 500,00. CORRETORA: NOMAD | 0,00 | 3.039,00 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: PG

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| | | | **Aplicação Financeira** — Lucro ou Prejuízo: 0,00 — Imposto Pago no Exterior: 0,00 — **Lucros e Dividendos** — Valor Recebido: 0,00 — Imposto Pago Exterior/IRRF Brasil: 0,00 | | |
| 151 | 03 | 01 | SIRI - 94,675556 ACOES DA EMPRESA SIRIUS XM HOLDINGS INC. NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: SIRI. VALOR DE CUSTO EM DOLAR: US$ 2.512,50. CORRETORA: XP INTERNATIONAL | 0,00 | 14.020,00 |
| | | | 249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Negociados em Bolsa: Sim Código de Negociação: SIRI<br>**Aplicação Financeira** — Lucro ou Prejuízo: 0,00 — Imposto Pago no Exterior: 0,00 — **Lucros e Dividendos** — Valor Recebido: 148,69 — Imposto Pago Exterior/IRRF Brasil: 44,61 | | |
| 74 | 03 | 01 | SPG - 5,11248045 ACOES DO REIT SIMON PROPERTY GROUP INC NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: SPG, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 678,77. CORRETORA: NOMAD | 1.636,90 | 3.525,35 |
| | | | 249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Negociados em Bolsa: Sim Código de Negociação: SPG<br>**Aplicação Financeira** — Lucro ou Prejuízo: 184,93 — Imposto Pago no Exterior: 55,51 — **Lucros e Dividendos** — Valor Recebido: 0,00 — Imposto Pago Exterior/IRRF Brasil: 0,00 | | |
| 83 | 03 | 01 | TSLA - 8,32034 ACOES DA EMPRESA TESLA INC COM NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: TSLA, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 1.532,39. CORRETORA: AVENUE | 7.945,22 | 7.945,22 |
| | | | 249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Negociados em Bolsa: Sim Código de Negociação: TSLA<br>**Aplicação Financeira** — Lucro ou Prejuízo: 0,00 — Imposto Pago no Exterior: 0,00 — **Lucros e Dividendos** — Valor Recebido: 0,00 — Imposto Pago Exterior/IRRF Brasil: 0,00 | | |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 69 | 03 | 01 | XOM - 22,01637 ACOES DA EMPRESA EXXON MOBIL CORP. NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: XOM, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 2.395,18. CORRETORA: AVENUE | 12.182,88 | 12.182,88 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: XOM

**Aplicação Financeira**

Lucro ou Prejuízo: 466,03

Imposto Pago no Exterior: 139,86

**Lucros e Dividendos**

Valor Recebido: 0,00

Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 24 | 03 | 02 | SOCIO PROPRIETARIO COM 1000 DAS COTAS | 1.000,00 | 1.000,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 38.299.888/0001-88

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 170 | 04 | 01 | AGENCIA E CONTA ENCERRADAS | 0,00 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 60.746.948/0001-12

Banco: 237 Agência: 5307 Conta: 17714-8

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 6 | 04 | 01 | CADERNETA DE POUPANCA 2202 397.714-5 SALDO EM 31/12/2023 208,36 SALDO EM 31/12/2024 1.622,75 | 208,36 | 1.622,75 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 60.746.948/0001-12

Banco: 237 Agência: 2202 Conta: 397714-5

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 12 | 04 | 01 | CPF: 38589845826 NOME: RILLIAN DIELLO LUCAS PIRES CADERNETA DE POUPANCA SALDO EM 31/12/2021 R$ 22,70 SALDO EM 31/12/2022 R$ 15.798,56 RENDIMENTO R$ 25,30 | 0,00 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 60.746.948/0001-12

Banco: 237 Agência: 2498 Conta: 5136-5

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 149 | 04 | 02 | BANCO AGIBANK S.A CDB FLU CDB3216I3B1 22/07/2024 R$ 1.125,11 | 1.125,11 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 146 | 04 | 02 | BANCO BMG S.A CDB PRE DU CDB524AKOB0 19/05/2028 | 0,00 | 4.000,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 68 | 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB123BUWJ0 05/02/2025 2.000,00 | 2.000,00 | 2.000,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 61.348.538/0001-86 | | | | | |
| 59 | 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB323MK8F2 17/08/2026 | 1.000,00 | 1.000,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 61.348.538/0001-86 | | | | | |
| 80 | 04 | 02 | BANCO C6 CONSIGNADO S.A. CDB FLU CDB323MK8FR 19/05/2025 | 1.000,00 | 1.000,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 61.348.538/0001-86 | | | | | |
| 28 | 04 | 02 | BANCO C6 S.A. CDB PRE CDB420B379T 18/11/2024 | 1.000,00 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 72 | 04 | 02 | BANCO MASTER S/A CDB FLU CDB2237BYBV 18/04/2028 2.001,19 | 2.001,19 | 2.001,19 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 33.923.798/0001-00 | | | | | |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 164 | 04 | 02 | BANCO ORIGINAL S/A 0,00 1.000,00 0,00 CDB PRE DU CDB3224G9NN 11/07/2024 | 1.000,00 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 92.894.922/0001-08 | | | | | |
| 122 | 04 | 02 | BANCO PINE S/A CDB FLU CDB1230YEW6 03/01/2025 R$ 1.000,00 | 1.000,00 | 1.000,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 62.144.175/0001-20 | | | | | |
| 120 | 04 | 02 | BANCO XP S.A. CDB FLU CDB1242FE4U 07/01/2026 | 0,00 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 102 | 04 | 02 | BIORC FINANCEIRA CREDITO FINANCI CDB FLU CDB223TI10C 18/06/2024 3.000,00 | 3.000,00 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 11.285.104/0001-06 | | | | | |
| 127 | 04 | 02 | NOME EMPRESARIAL NU FINANCEIRA S.A. CNPJ 30.680.829/0001-43 AG: 0001 CONTA: 1998778-1 | 590,04 | 11.996,60 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 30.680.829/0001-43 | | | | | |
| 169 | 04 | 02 | PERNAMBUCANAS 0,00 1.000,00 0,00 FINANCIADORA S/A C CDB FLU CDB322FAXU1 15/08/2024 | 1.000,00 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 2 | 04 | 02 | TESOURO DIRETO | 2.791,21 | 2.791,21 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 140 | 04 | 02 | TESOURO DIRETO LFT 01/03/2025<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF:<br>CNPJ: 02.332.886/0001-04 | 1.189,00 | 1.189,00 |
| 39 | 04 | 02 | TESOURO DIRETO LTN 01/01/2025<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF:<br>CNPJ: 02.332.886/0001-04 | 2.729,18 | 0,00 |
| 126 | 04 | 02 | TESOURO DIRETO LFT 01/03/2027<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF:<br>CNPJ: 02.332.886/0001-04 | 4.116,00 | 4.116,00 |
| 54 | 04 | 02 | TESOURO DIRETO LTN 01/01/2026<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF:<br>CNPJ: 02.332.886/0001-04 | 565,38 | 0,00 |
| 38 | 04 | 02 | TESOURO DIRETO LTN 01/01/2027<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF:<br>CNPJ: 02.332.886/0001-04 | 0,00 | 6.910,51 |
| 94 | 04 | 02 | TESOURO DIRETO NTN-B 15/08/2030<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF:<br>CNPJ: 02.332.886/0001-04 | 783,72 | 783,72 |
| 55 | 04 | 02 | TESOURO DIRETO NTN-B 15/08/2032<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF:<br>CNPJ: 02.332.886/0001-04 | 4.997,54 | 4.997,54 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 9 | 04 | 02 | TESOURO DIRETO NTN-B 15/08/2040 | 3.103,53 | 3.103,53 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 123 | 04 | 02 | TESOURO DIRETO NTNB PRINC 15/05/2029 | 8.454,68 | 8.143,30 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 82 | 04 | 02 | TESOURO DIRETO NTNB PRINC 15/08/2024 | 840,75 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 133 | 04 | 02 | TESOURO DIRETO NTNB PRINC 15/08/2026 | 6.660,00 | 6.660,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 87 | 04 | 02 | WILL FINANCEIRA LC FLU LC001900WST 15/10/2024 R$ 1.300,68 | 1.300,68 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 36.272.465/0001-49 | | | | | |
| 107 | 04 | 02 | ***AEGEA FINANCE SARL REG - 1000 TITULOS DE RENDA FIXA INTERNACIONAIS DE CODIGO ***AEGEA FINANCE SARL REG NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS. VALOR DE CUSTO EM DOLAR: US$ 1.029,00. CORRETORA: XP INTERNATIONAL | 0,00 | 5.635,73 |
| 249 - Estados Unidos | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |

**Aplicação Financeira**

| | |
|---|---|
| Lucro ou Prejuízo: | 0,00 |
| Imposto Pago no Exterior: | 0,00 |

**Lucros e Dividendos**

| | |
|---|---|
| Valor Recebido: | 65,44 |
| Imposto Pago Exterior/IRRF Brasil: | 0,00 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 51 | 04 | 02 | ***BANCO BTG PACTUAL S - 1000 TITULOS DE RENDA FIXA INTERNACIONAIS DE CODIGO ***BANCO BTG PACTUAL S NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS. VALOR DE CUSTO EM DOLAR: US$ 979,00. CORRETORA: XP INTERNATIONAL | 0,00 | 5.355,81 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

**Aplicação Financeira**
Lucro ou Prejuízo: 0,00
Imposto Pago no Exterior: 0,00

**Lucros e Dividendos**
Valor Recebido: 0,00
Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 11 | 04 | 02 | ***COSAN LTD REG S - 1000 TITULOS DE RENDA FIXA INTERNACIONAIS DE CODIGO ***COSAN LTD REG S NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS. VALOR DE CUSTO EM DOLAR: US$ 982,00. CORRETORA: XP INTERNATIONAL | 0,00 | 5.731,46 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

**Aplicação Financeira**
Lucro ou Prejuízo: 0,00
Imposto Pago no Exterior: 0,00

**Lucros e Dividendos**
Valor Recebido: 0,00
Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 76 | 04 | 02 | ***MOVIDA EUROPE S A - 1000 TITULOS DE RENDA FIXA INTERNACIONAIS DE CODIGO ***MOVIDA EUROPE S A NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS. VALOR DE CUSTO EM DOLAR: US$ 970,50. CORRETORA: XP INTERNATIONAL | 0,00 | 5.303,88 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

**Aplicação Financeira**
Lucro ou Prejuízo: 0,00
Imposto Pago no Exterior: 0,00

**Lucros e Dividendos**
Valor Recebido: 68,43
Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 130 | 04 | 02 | BERKSHIRE HATHAWAY FIN CORP SENIOR UNSECURED QTD.: 0,00 EM 2023 E 2.000,00 EM 2024 CODIGO DE NEGOCICACAO: 084664CW9 | 0,00 | 9.524,62 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

**Aplicação Financeira**
Lucro ou Prejuízo: 0,00
Imposto Pago no Exterior: 0,00

**Lucros e Dividendos**
Valor Recebido: 27,23
Imposto Pago Exterior/IRRF Brasil: 0,00

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 171 | 04 | 03 | BANCO BOCOM BBM SA 0,00 1.002,62 0,00 LCA PRE 22C01071475 28/03/2024 | 1.002,62 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 77 | 04 | 03 | BANCO BTG PACTUAL LCA 23C00368682 07/03/2025 R$ 2000,00 | 2.000,00 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 30.306.294/0001-45 | | | | | |
| 43 | 04 | 03 | BANCO BTG PACTUAL LCA 23K01957083 20/11/2024 R$ 1.000,00 | 1.000,00 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 30.306.294/0001-45 | | | | | |
| 158 | 04 | 03 | BANCO PAULISTA LCA 23K02440085 27/11/2024 R$3.000,00 | 3.000,00 | 0,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 61.820.817/0001-09 | | | | | |
| 48 | 04 | 03 | BARI COMPANHIA HIPOTECARIA LCI 23C00367669 09/03/2026 R$ 2.000,00 | 2.000,00 | 2.000,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 14.511.781/0001-93 | | | | | |
| 168 | 04 | 03 | BARI COMPANHIA HIPOTECARIA LCI 23C02666541 30/03/2026 R$ 2.000,00 | 2.000,00 | 2.000,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 14.511.781/0001-93 | | | | | |
| 113 | 04 | 03 | RENDA FIXA CRA POS 5,65% IPCA+ 16/08/2038 RAIZEN - CRA FLU CRA022008NB INSTITUICAO: XP (02.332.886/0001-04) | 0,00 | 2.267,18 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 128 | 04 | 03 | RENDA FIXA CRA POS 6,6% IPCA+ 15/05/2034 JBS - CRA FLU CRA024004SA INSTITUICAO: XP (02.332.886/0001-04) | 0,00 | 7.980,63 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 8 | 04 | 03 | RENDA FIXA CRA POS 6,6% IPCA+ 15/05/2037 VAMOS - CRA FLU CRA022004S9 INSTITUICAO: XP (02.332.886/0001-04) | 0,00 | 5.525,29 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 41 | 04 | 03 | RENDA FIXA CRA POS 6,8% IPCA+ 15/03/2034 MARFRIG - CRA FLU CRA022008NB INSTITUICAO: XP (02.332.886/0001-04 | 0,00 | 4.000,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 163 | 04 | 03 | RENDA FIXA DEBENTURE POS 5,65% IPCA+ 15/10/2038 CTEEP - DEB FLU U TRPLB4 INSTITUICAO: XP (02.332.886/0001-04) | 0,00 | 2.195,65 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 14 | 04 | 03 | RENDA FIXA DEBENTURE POS 5,8% IPCA+ 15/09/2031 ELETROBRAS - INSTITUICAO: XP (02.332.886/0001-04) DEB FLU C ELET14 15/09/2031 | 0,00 | 4.236,79 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |
| 50 | 04 | 03 | RENDA FIXA LCA POS 93% CDI 09/10/2025 BANCO ITAU - INSTITUICAO: XP (02.332.886/0001-04) | 0,00 | 15.800,00 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ: 02.332.886/0001-04 | | | | | |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 73 | 04 | 03 | RENDA FIXA LCA POS 95% CDI 10/09/2026 SICREDI - INSTITUICAO: XP (02.332.886/0001-04)<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF:<br>CNPJ: 02.332.886/0001-04 | 0,00 | 10.000,00 |
| 98 | 04 | 03 | RENDA FIXA LCA POS 98% CDI 14/04/2026 ORIGINAL - INSTITUICAO: XP (02.332.886/0001-04)<br>105 - Brasil<br>Bem ou direito pertencente ao: Titular CPF:<br>CNPJ: 02.332.886/0001-04 | 0,00 | 6.000,00 |
| 129 | 04 | 99 | 1 TITULOS DE UNITED STATES TREASURY US912828Z948 912828Z94 CUSTODIA DOS NA CORRETORA APEX CLEARING CORPORATION. CUSTO TOTAL DE A QUISICAO DE US$ 885,02 COM DOLAR MEDIO DE US$ 5,7081.<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 0,00 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | 0,00 | 5.051,78 |
| 117 | 04 | 99 | 1 TITULOS DE UNITED STATES TREASURY US91282CAJ09 91282CAJ0 CUSTODIA DOS NA CORRETORA APEX CLEARING CORPORATION. CUSTO TOTAL DE A QUISICAO DE US$ 967,13 COM DOLAR MEDIO DE US$ 5,7143.<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 0,00 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | 0,00 | 5.526,47 |
| 121 | 04 | 99 | 2 TITULOS DE UNITED STATES TREASURY US91282CGE57 91282CGE5 CUSTODIA DOS NA CORRETORA APEX CLEARING CORPORATION. CUSTO TOTAL DE A QUISICAO DE US$ 2.024,79 COM DOLAR MEDIO DE US$ 5,9334.<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 0,00 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | 0,00 | 12.015,23 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 29 | 04 | 99 | BERKSHIRE HATHAWAY FIN CORP - 2000 OPCOES DE CODIGO BERKSHIRE HATHAWAY FIN CORP NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: BERKSHIRE HATHAWAY FIN CORP, ADQUIRIDAS PELA CORRETORA XP_INTERNATIONAL. VALOR DE CUSTO EM DOLAR: US$ 1.743,00. CORRETORA: XP INTERNATIONAL | 0,00 | 9.525,67 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

**Aplicação Financeira**
Lucro ou Prejuízo: 0,00
Imposto Pago no Exterior: 0,00

**Lucros e Dividendos**
Valor Recebido: 0,00
Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 167 | 06 | 01 | 5783-5 PARQUE DOS PODERES - MS 00.000.000/0001-91 01. CONTA CORRENTE E VGBL - VALORES EM REAIS ESPECIFICACAO CONTA CORRENTE SALDO EM 31/12/2022 R$ 559,22 SALDO EM 31/12/2023 R$ 86,07 | 86,07 | 673,27 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:
CNPJ: 00.000.000/0001-91
Banco: 001 Agência: 5783 Conta: 7167-6 Conta Pagamento? Não

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 63 | 06 | 01 | BENS E DIREITOS INFORMACOES PARA DECLARACAO GRUPO DE BENS: 06 - DEPOSITO A VISTA E NUMERARIO CODIGO: 01 - DEPOSITO EM CONTA CORRENTE OU CONTA PAGAMENTO LOCALIZACAO: 105 - BRASIL | 0,00 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:
CNPJ: 22.896.431/0001-10
Banco: 380 Agência: 0001 Conta: 8615836-8 Conta Pagamento? Não

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 62 | 06 | 01 | CONTA ENCERRADA | 0,00 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:
CNPJ: 60.746.948/0001-12
Banco: 237 Agência: 2498 Conta: 5136-5 Conta Pagamento? Não

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 99 | 06 | 01 | CONTA MERCADO PAGO | 17,59 | 18,75 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 10.573.521/0001-91

Banco: 323 Agência: 0001 Conta: 4769357377-8 Conta Pagamento? Não

| | | | | | |
|---|---|---|---|---|---|
| 92 | 06 | 01 | DEPOSITO BANCARIO EM CONTA CORRENTE NO PAIS DEP.A VISTA BRADESCO AGENCIA CONTA 2202 397.714-5 R$: 1,00 | 1,00 | 1,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 60.746.948/0001-12

Banco: 237 Agência: 2202 Conta: 397714-5 Conta Pagamento? Não

| | | | | | |
|---|---|---|---|---|---|
| 66 | 06 | 01 | INFORMADO POR CNPJ 02.332.886/0001-04 | 168,13 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 02.332.886/0001-04

Banco: 102 Agência: 0003 Conta: 113991-0 Conta Pagamento? Não

| | | | | | |
|---|---|---|---|---|---|
| 19 | 06 | 01 | SALDO DE US$ 0,00 NA AVENUE CASH LLC (CONTA BANCARIA) | 0,00 | 0,00 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Agência: Conta: Conta Pagamento? Não

**Aplicação Financeira**

Lucro ou Prejuízo: 0,00

Imposto Pago no Exterior: 0,00

| | | | | | |
|---|---|---|---|---|---|
| 36 | 06 | 99 | INFORMADO POR CNPJ 02.332.886/0001-04 (SALDO SOMANDO A CONTA DA RICO E DA XP) POIS SAO O MESMO CNPJ | 1.227,46 | 320,93 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 02.332.886/0001-04

| | | | | | |
|---|---|---|---|---|---|
| 157 | 06 | 99 | SALDO EM CONTA NA XP INVESTIMENTOS CCTVM S/A AGENCIA 0002 CONTA 1139910 SALDO EM 31/12/2022 R$ 1,90 SALDO EM 31/12/2023 R$ 168,13 | 168,13 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ: 02.332.886/0001-04

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 30 | 06 | 99 | SALDO DE US$ 15.25 NA CORRETORA DRIVEWE ALTH, LLC, CONVERTIDO PELA PTAX R$ 6,1917 DE 31/12/2024 | 8,91 | 94,42 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

**Aplicação Financeira**
Lucro ou Prejuízo: 0,00
Imposto Pago no Exterior: 0,00

| | | | | | |
|---|---|---|---|---|---|
| 105 | 06 | 99 | SALDO DE US$ 2.03 NA CORRETORA APEX CLEARING CORPORATION, CONVERTIDO PELA PTAX R$ 6,1917 DE 31/12/2024. | 0,00 | 12,57 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

**Aplicação Financeira**
Lucro ou Prejuízo: 0,00
Imposto Pago no Exterior: 0,00

| | | | | | |
|---|---|---|---|---|---|
| 27 | 06 | 99 | SALDO DE US$ 27.21 NA CORRETORA AVENUE SECURITIES LLC (CONTA DE INVESTIMENTO) | 63,99 | 168,48 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

**Aplicação Financeira**
Lucro ou Prejuízo: 0,00
Imposto Pago no Exterior: 0,00

| | | | | | |
|---|---|---|---|---|---|
| 103 | 06 | 99 | SALDO DE US$ 435,57 DISPONIVEL NO BANCO COMMUNITY FEDERAL SAVINGS BANK, CONVERTIDO PELA PTAX R$ 6,19 DE 31/12/24. | 0,00 | 2.696,92 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

**Aplicação Financeira**
Lucro ou Prejuízo: 0,00
Imposto Pago no Exterior: 0,00

| | | | | | |
|---|---|---|---|---|---|
| 118 | 07 | 01 | 115,56041901 COTAS DO FUNDO TREND INB RENDA FIXA - INSTITUICAO: XP (02.332.886/0001-04). CNPJ FUNDO: 37.910.132/0001-60 - ADMINISTRADORA: 02.201.501/0001-61 | 0,00 | 160,77 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:
CNPJ do Fundo: 37.910.132/0001-60

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 119 | 07 | 01 | 4188,89869185 COTAS DO FUNDO KINEA IPCA DINAMICO II - 385026 - INSTITUICAO: XP (02.332.886/0001-04). CNPJ FUNDO: 39.586.835/0001-00 - ADMINISTRADORA: 62.418.140/0001-31 | 0,00 | 6.279,77 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ do Fundo: 39.586.835/0001-00 | | | | | |
| 152 | 07 | 01 | 6352,74728965 COTAS DO FUNDO TREND DI RENDA FIXA - INSTITUICAO: XP (02.332.886/0001-04). CNPJ FUNDO: 45.278.833/0001-57 - ADMINISTRADORA: 02.332.886/0001-04 | 0,00 | 8.216,25 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ do Fundo: 45.278.833/0001-57 | | | | | |
| 172 | 07 | 02 | SNAG11 - 200 COTAS DO FIAGRO SUNO AGRO FIAGRO- IMOBILIARIO (FIAGRO SUNO), CODIGO DE NEGOCIACAO NA B3: SNAG11. CNPJ: 28.152.777/0001-90, ADMINISTRADORA DO FUNDO: SINGULARE CORRETORA DE TITULOS E VALORES MOBILIARIOS S.A.(62.285.390/0001-40). CUSTO MEDIO UNITARIO DE R$ 10,133. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 2.026,60 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ do Fundo: 28.152.777/0001-90 | | | | | |
| Negociados em Bolsa: Sim | | | Código de Negociação: SNAG11 | | |
| 134 | 07 | 03 | ALZR11 - 108 COTAS DO FUNDO IMOBILIARIO ALIANZA TRUST RENDA IMOBILIARIA FDO INV IMOB (FII ALIANZA), CODIGO DE NEGOCIACAO NA B3: ALZR11. CNPJ: 28.737.771/0001-85, ADMINISTRADORA DO FUNDO: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). CUSTO MEDIO UNITARIO DE R$ 110,6174. CORRETORA: XP (02.332.886/0001-04) | 8.938,64 | 11.946,68 |
| 105 - Brasil | | | | | |
| Bem ou direito pertencente ao: Titular | | | CPF: | | |
| CNPJ do Fundo: 28.737.771/0001-85 | | | | | |
| Negociados em Bolsa: Sim | | | Código de Negociação: ALZR11 | | |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 85 | 07 | 03 | BCFF11 - 0 COTAS DO FUNDO IMOBILIARIO FDO INV IMOB - FII BTG PACTUAL FUNDO DE FUNDOS (FII BC FFII), CODIGO DE NEGOCIACAO NA B3: BCFF11. CNPJ: 11.026.627/0001-38, ADMINISTRADORA DO FUNDO: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). CUSTO MEDIO UNITARIO DE R$ 0,00. CORRETORA: XP (02.332.886/0001-04) | 8.549,44 | 0,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 11.026.627/0001-38

Negociados em Bolsa: Sim Código de Negociação: BCFF11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 162 | 07 | 03 | BTHF11 - 640 COTAS DO FUNDO IMOBILIARIO BTG PACTUAL REAL ESTATE HEDGE FUND FII FUNDO DE INVESTIMENTO IMOBILIARIO (BTHF11), CODIGO DE NEGOCIACAO NA B3: BTHF11. CNPJ: 45.188.176/0001-57, ADMINISTRADORA DO FUNDO: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). CUSTO MEDIO UNITARIO DE R$ 10,25. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 6.560,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 45.188.176/0001-57

Negociados em Bolsa: Sim Código de Negociação: BTHF11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 3 | 07 | 03 | BTLG11 - 30 COTAS DO FUNDO IMOBILIARIO BTG PACTUAL LOGISTICA FDO INV IMOB - FII (FII BTLG), CODIGO DE NEGOCIACAO NA B3: BTLG11. CNPJ: 11.839.593/0001-09, ADMINISTRADORA DO FUNDO: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). CUSTO MEDIO UNITARIO DE R$ 102,8343. CORRETORA: XP (02.332.886/0001- | 0,00 | 3.085,03 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 11.839.593/0001-09

Negociados em Bolsa: Sim Código de Negociação: BTLG11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 13 | 07 | 03 | HGFF11 - 83 COTAS DO FUNDO IMOBILIARIO PATRIA IMOBILIARIO FOF FII (FII CSHG FOF), CODIGO DE NEGOCIACAO NA B3: HGFF11. CNPJ: 32.784.898/0001-22, ADMINISTRADORA DO FUNDO: BANCO GENIAL S.A.(45.246.410/0001-55). CUSTO MEDIO UNITARIO DE R$ 79,8417. CORRETORA: XP (02.332.886/0001-04) | 6.626,86 | 6.626,86 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 32.784.898/0001-22

Negociados em Bolsa: Sim Código de Negociação: HGFF11

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 40 | 07 | 03 | HGLG11 - 150 COTAS DO FUNDO IMOBILIARIO PATRIA LOG FUNDO DE INVESTIMENTO IMOBILIARIO RESPONSABILIDADE LIMITADA (FII HGLG PAX), CODIGO DE NEGOCIACAO NA B3: HGLG11. CNPJ: 11.728.688/0001-47, ADMINISTRADORA DO FUNDO: BANCO GENIAL S.A.(45.246.410/0001-55). CUSTO MEDIO UNITARIO DE R$ 167,4281. CORRETORA: XP (02.332.886/0001-04) | 25.114,22 | 25.114,22 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 11.728.688/0001-47

Negociados em Bolsa: Sim Código de Negociação: HGLG11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 78 | 07 | 03 | HGRU11 - 30 COTAS DO FUNDO IMOBILIARIO PATRIA RENDA URBANA FII (FII HGRU PAX), CODIGO DE NEGOCIACAO NA B3: HGRU11. CNPJ: 29.641.226/0001-53, ADMINISTRADORA DO FUNDO: BANCO GENIAL S.A.(45.246.410/0001-55). CUSTO MEDIO UNITARIO DE R$ 118,2833. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 3.548,50 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 29.641.226/0001-53

Negociados em Bolsa: Sim Código de Negociação: HGRU11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 137 | 07 | 03 | KNRI11 - 125 COTAS DO FUNDO IMOBILIARIO KINEA RENDA IMOBILIARIA FDO INV IMOB - FII (FII KINEA CI), CODIGO DE NEGOCIACAO NA B3: KNRI11. CNPJ: 12.005.956/0001-65, ADMINISTRADORA DO FUNDO: INTRAG DTVM(62.418.140/0001-31). CUSTO MEDIO UNITARIO DE R$ 154,5174. CORRETORA: XP (02.332.886/0001-04) | 12.433,89 | 19.314,68 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 12.005.956/0001-65

Negociados em Bolsa: Sim Código de Negociação: KNRI11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 161 | 07 | 03 | LVBI11 - 35 COTAS DO FUNDO IMOBILIARIO FDO INV IMOB - VBI LOGISTICO (FII VBI LOG), CODIGO DE NEGOCIACAO NA B3: LVBI11. CNPJ: 30.629.603/0001-18, ADMINISTRADORA DO FUNDO: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). CUSTO MEDIO UNITARIO DE R$ 100,5812. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 3.520,34 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 30.629.603/0001-18

Negociados em Bolsa: Sim Código de Negociação: LVBI11

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 15 | 07 | 03 | MALL11 - 45 COTAS DO FUNDO IMOBILIARIO MALLS BRASIL PLURAL FDO INV IMOB (FII MALLS BP), CODIGO DE NEGOCIACAO NA B3: MALL11. CNPJ: 26.499.833/0001-32, ADMINISTRADORA DO FUNDO: GERACAO FUTURO CORRETORA DE VALORES S.A.(27.652.684/0001-62). CUSTO MEDIO UNITARIO DE R$ 108,4924. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 4.882,16 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 26.499.833/0001-32

Negociados em Bolsa: Sim Código de Negociação: MALL11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 70 | 07 | 03 | MXRF11 - 1095 COTAS DO FUNDO IMOBILIARIO MAXI RENDA FDO INV IMOB - FII (FII MAXI REN), CODIGO DE NEGOCIACAO NA B3: MXRF11. CNPJ: 97.521.225/0001-25, ADMINISTRADORA DO FUNDO: BTG PACTUAL SERVICOS FINANCEIROS S.A. DTVM(59.281.253/0001-23). CUSTO MEDIO UNITARIO DE R$ 10,2391. CORRETORA: XP (02.332.886/0001-04) | 11.108,88 | 11.211,81 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 97.521.225/0001-25

Negociados em Bolsa: Sim Código de Negociação: MXRF11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 88 | 07 | 03 | RZTR11 - 54 COTAS DO FUNDO IMOBILIARIO FUNDO DE INVESTIMENTO IMOBILIARIO RIZA TERRAX (FII RIZA TX), CODIGO DE NEGOCIACAO NA B3: RZTR11. CNPJ: 36.501.128/0001-86, ADMINISTRADORA DO FUNDO: BRASIL PLURAL S.A BANCO MULTIPLO(45.246.410/0001-55). CUSTO MEDIO UNITARIO DE R$ 101,232. CORRETORA: XP | 4.244,21 | 5.466,53 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 36.501.128/0001-86

Negociados em Bolsa: Sim Código de Negociação: RZTR11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 10 | 07 | 03 | TGAR11 - 60 COTAS DO FUNDO IMOBILIARIO FDO INV IMOB TG ATIVO REAL (FII TG ATIVO), CODIGO DE NEGOCIACAO NA B3: TGAR11. CNPJ: 25.032.881/0001-53, ADMINISTRADORA DO FUNDO: VORTX DTVM(22.610.500/0001-88). CUSTO MEDIO UNITARIO DE R$ 95,8376. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 5.750,26 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 25.032.881/0001-53

Negociados em Bolsa: Sim Código de Negociação: TGAR11

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 75 | 07 | 03 | TRXF11 - 22 COTAS DO FUNDO IMOBILIARIO TRX REAL ESTATE FDO. INV. IMOB. - FII (FII TRX REAL), CODIGO DE NEGOCIACAO NA B3: TRXF11. CNPJ: 28.548.288/0001-52, ADMINISTRADORA DO FUNDO: BRL TRUST DTVM S.A.(13.486.793/0001-42). CUSTO MEDIO UNITARIO DE R$ 111,6732. CORRETORA: XP (02.332.886/0001-04) | 0,00 | 2.456,81 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 28.548.288/0001-52

Negociados em Bolsa: Sim Código de Negociação: TRXF11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 147 | 07 | 03 | XPML11 - 152 COTAS DO FUNDO IMOBILIARIO XP MALLS FDO INV IMOB FII (FII XP MALLS), CODIGO DE NEGOCIACAO NA B3: XPML11. CNPJ: 28.757.546/0001-00, ADMINISTRADORA DO FUNDO: XP INVESTIMENTOS CORRETORA DE CAMBIO, TITULOS E VALORES MOBILIARIOS S.A.(02.332.886/0001-04). CUSTO MEDIO UNITARIO DE R$ 113,0012. CORRETORA: XP (02.332.886/0001-04) | 10.165,43 | 17.176,18 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 28.757.546/0001-00

Negociados em Bolsa: Sim Código de Negociação: XPML11

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 46 | 07 | 04 | XP FMP FGTS ELETROBRAS 45.088.790/0001-47 COD. 04 | 1.669,71 | 1.669,71 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 45.088.790/0001-47

Negociados em Bolsa: Não

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 84 | 07 | 08 | 4188,89869185 COTAS DO FUNDO KINEA IPCA DINAMICO II -385026 - INSTITUICAO: XP (02.332.886/0001-04). CNPJ FUNDO: 39.586.835/0001-00 - ADMINISTRADORA: 62.418.140/0001-31 | 0,00 | 6.000,00 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 39.586.835/0001-00

Negociados em Bolsa: Não

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 165 | 07 | 08 | 6352,74728965 COTAS DO FUNDO TREND DI RENDA FIXA - INSTITUICAO: XP (02.332.886/0001-04). CNPJ FUNDO: 45.278.833/0001-57 - ADMINISTRADORA: 02.332.886/0001-04 | 0,00 | 8.028,94 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 45.278.833/0001-57

Negociados em Bolsa: Não

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 112 | 07 | 10 | 3269,36077966 COTAS DO FUNDO ARX ELBRUS ADVISORY FI - INSTITUICAO: XP (02.332.886/0001-04). CNPJ FUNDO: 32.319.627/0001-04 - ADMINISTRADORA: 02.201.501/0001-613269,36077966 COTAS DO FUNDO ARX ELBRUS ADVISORY FI - INSTITUICAO: RICO (02.332.886/0001-04). CNPJ FUNDO: 32.319.627/0001-04 - ADMINISTRADORA: 02.201.501/0001-61 | 4.273,25 | 4.273,25 |

105 - Brasil

Bem ou direito pertencente ao: Titular CPF:

CNPJ do Fundo: 32.319.627/0001-04

Negociados em Bolsa: Não

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 89 | 07 | 99 | 0.77562129 COTAS DE VANGUARD INFORMATION TECHNOLOGY ETF (VGT) CUSTODIA DAS NA CORRETORA DRIVEWEALTH, LLC. CUSTO TOTAL DE AQUISICAO DE US$ 500,00 COM DOLAR MEDIO DE US$ 5,9843. | 0,00 | 2.992,15 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: VGT

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 3,70 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 1,11 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 37 | 07 | 99 | 0.84726269 COTAS DE GROWTH ETF VANGUARD (VUG) CUSTODIA DAS NA CORRETORA DRIVEWEALTH, LLC. CUSTO TOTAL DE AQUISICAO DE US$ 335,65 COM DOLAR MEDIO DE US$ 5,7435. | 0,00 | 1.928,00 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: VUG

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 2,79 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 0,87 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 32 | 07 | 99 | 3.12739012 COTAS DE TOTAL INTERNATIONAL STOCK VANGUARD ETF (VXUS) CUSTODIA DAS NA CORRETORA DRIVEWEALTH, LLC. CUSTO TOTAL DE AQUISICAO DE US$ 194,63 COM DOLAR MEDIO DE US$ 5,7340. | 0,00 | 1.115,82 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: VXUS

**Aplicação Financeira**

Lucro ou Prejuízo: 19,36

Imposto Pago no Exterior: 5,80

**Lucros e Dividendos**

Valor Recebido: 0,00

Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 135 | 07 | 99 | 4.11260192 COTAS DE ISHARES 0-3 MONTH TREASURY B (SGOV) CUSTODIA DAS NA CORRETORA DRIVEWEALTH, LLC. CUSTO TOTAL DE AQUISICAO DE US$ 413,64 COM DOLAR MEDIO DE US$ 5,3196. | 0,00 | 2.200,36 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: SGOV

**Aplicação Financeira**

Lucro ou Prejuízo: 66,21

Imposto Pago no Exterior: 19,91

**Lucros e Dividendos**

Valor Recebido: 0,00

Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 56 | 07 | 99 | 4.31120921 COTAS DE HIGH DIVIDEND YIELD ETF VANGUARD (VYM) CUSTODIA DAS NA CORRETORA DRIVEWEALTH, LLC. CUSTO TOTAL DE AQUISICAO DE US$ 561,63 COM DOLAR MEDIO DE US$ 5,9389. | 0,00 | 3.334,54 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: VYM

**Aplicação Financeira**

Lucro ou Prejuízo: 25,65

Imposto Pago no Exterior: 7,71

**Lucros e Dividendos**

Valor Recebido: 0,00

Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 143 | 07 | 99 | AGG - 1,15805425 COTAS DO FUNDO ETF CORE US AGGREGATE BOND ISHARES NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: AGG, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 114,63. CORRETORA: NOMAD | 0,00 | 691,14 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: AGG

**Aplicação Financeira**

Lucro ou Prejuízo: 2,28

Imposto Pago no Exterior: 0,68

**Lucros e Dividendos**

Valor Recebido: 0,00

Imposto Pago Exterior/IRRF Brasil: 0,00

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 52 | 07 | 99 | BSV - 6,42248 COTAS DO FUNDO ETF VANGUARD SHORT-TERM BOND INDEX FUND NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: BSV, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 506,71. CORRETORA: AVENUE | 1.503,22 | 2.571,33 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: BSV

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 76,48 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 22,94 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 49 | 07 | 99 | CIBR - 0,979 COTAS DO FUNDO ETF FIRST TR EXCHANGE TRADED FD II NASDAQ CYB ETF NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: CIBR, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 62,56. CORRETORA: AVENUE | 0,00 | 349,21 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: CIBR

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 0,50 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 0,12 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 144 | 07 | 99 | GDX - 18,05508 COTAS DO FUNDO ETF VANECK VECTORS ETF TR GOLD MINERS ETF NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: GDX, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 602,64. CORRETORA: AVENUE | 2.963,35 | 3.042,98 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: GDX

| **Aplicação Financeira** | | **Lucros e Dividendos** | |
|---|---|---|---|
| Lucro ou Prejuízo: | 44,74 | Valor Recebido: | 0,00 |
| Imposto Pago no Exterior: | 13,41 | Imposto Pago Exterior/IRRF Brasil: | 0,00 |

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 34 | 07 | 99 | INDA - 2 COTAS DO FUNDO ETF INDIA MSCI ETF ISHARES NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: INDA, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 111,44. CORRETORA: NOMAD | 0,00 | 671,89 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

PROIBIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| | | | Negociados em Bolsa: Sim Código de Negociação: INDA<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 4,86 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 1,46 Imposto Pago Exterior/IRRF Brasil: 0,00 | | |
| 108 | 07 | 99 | IVV - 2 COTAS DO FUNDO ETF ISHARES TR CORE S&P500 ETF NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: IVV, ADQUIRIDAS PELAS CORRETORAS NOMAD E XP_INTERNATIONAL E AVENUE . VALOR DE CUSTO EM DOLAR: US$ 779,58. CORRETORA: AVENUE<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Negociados em Bolsa: Sim Código de Negociação: IVV<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 84,33 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 25,32 Imposto Pago Exterior/IRRF Brasil: 0,00 | 3.996,04 | 3.996,04 |
| 106 | 07 | 99 | SCHA - 16,56024083 COTAS DO FUNDO ETF SCHWAB STRATEGIC TR US SML CAP ETF NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: SCHA, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 451,60. CORRETORA: NOMAD<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Negociados em Bolsa: Sim Código de Negociação: SCHA<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 16,94 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 5,08 Imposto Pago Exterior/IRRF Brasil: 0,00 | 0,00 | 2.647,60 |
| 156 | 07 | 99 | UNITED STATES TREASURY - 3 COTAS DO FUNDO ETF UNITED STATES TREASURY NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: UNITED STATES TREASURY, ADQUIRIDAS PELA CORRETORA NOMAD. VALOR DE CUSTO EM DOLAR: US$ 2.861,60. CORRETORA: NOMAD<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Negociados em Bolsa: Não<br>**Aplicação Financeira** **Lucros e Dividendos**<br>Lucro ou Prejuízo: 0,00 Valor Recebido: 0,00<br>Imposto Pago no Exterior: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | 0,00 | 16.322,10 |

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 91 | 07 | 99 | VNQ - 12,60244 COTAS DO FUNDO ETF VANGUARD INDEX FDS REAL ESTATE ETF NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: VNQ, ADQUIRIDAS PELAS CORRETORAS NOMAD E AVENUE . VALOR DE CUSTO EM DOLAR: US$ 1.097,62. CORRETORA: AVENUE | 4.042,09 | 5.567,67 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: VNQ

**Aplicação Financeira**
Lucro ou Prejuízo: 213,95
Imposto Pago no Exterior: 64,16

**Lucros e Dividendos**
Valor Recebido: 0,00
Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 64 | 07 | 99 | VOO - 5,26866 COTAS DO FUNDO ETF VANGUARD INDEX FDS S&P 500 ETF SHS NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: VOO, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 1.965,32. CORRETORA: AVENUE | 9.961,74 | 9.961,74 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Não

**Aplicação Financeira**
Lucro ou Prejuízo: 197,34
Imposto Pago no Exterior: 59,21

**Lucros e Dividendos**
Valor Recebido: 0,00
Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 67 | 07 | 99 | VWO - 25,572 COTAS DO FUNDO ETF VANGUARD INTL EQUITY INDEX FDS FTSE EMR MKT NEGOCIADAS NA BOLSA DO PAIS ESTADOS UNIDOS ATRAVES DO CODIGO: VWO, ADQUIRIDAS PELA CORRETORA AVENUE. VALOR DE CUSTO EM DOLAR: US$ 1.041,86. CORRETORA: AVENUE | 5.266,45 | 5.266,45 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Negociados em Bolsa: Sim Código de Negociação: VWO

**Aplicação Financeira**
Lucro ou Prejuízo: 215,10
Imposto Pago no Exterior: 64,52

**Lucros e Dividendos**
Valor Recebido: 0,00
Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 150 | 08 | 01 | BTC - 0,10960087 UNIDADES DO CRIPTOATIVO BITCOIN (BTC) . CARTEIRA/CORRETORA: BINANCE (). CUSTO MEDIO UNITARIO R$ 182.876,12260742 | 11.293,38 | 20.043,38 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Autocustodiante: Não

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| | | | **Aplicação Financeira** Lucro ou Prejuízo: 0,00 Imposto Pago no Exterior: 0,00 **Lucros e Dividendos** Valor Recebido: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | | |
| 31 | 08 | 02 | BNB - 1,06638628 UNIDADES DO CRIPTOATIVO BINANCE COIN (BNB) . CARTEIRA/CORRETORA: BINANCE (). CUSTO MEDIO UNITARIO R$ 3.188,33809452<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Autocustodiante: Não Código Altcoin: BNB<br>**Aplicação Financeira** Lucro ou Prejuízo: 0,00 Imposto Pago no Exterior: 0,00 **Lucros e Dividendos** Valor Recebido: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | 500,00 | 3.400,00 |
| 124 | 08 | 02 | DOGE - 159,26878732 UNIDADES DO CRIPTOATIVO DOGECOIN (DOGE). CARTEIRA/CORRETORA: BINANCE (). CUSTO MEDIO UNITARIO R$ 2,134756<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Autocustodiante: Não Código Altcoin: DOGE<br>**Aplicação Financeira** Lucro ou Prejuízo: 0,00 Imposto Pago no Exterior: 0,00 **Lucros e Dividendos** Valor Recebido: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | 210,00 | 340,00 |
| 42 | 08 | 02 | ETH - 1,18142636 UNIDADES DO CRIPTOATIVO ETHEREUM (ETH) . CARTEIRA/CORRETORA: BINANCE (). CUSTO MEDIO UNITARIO R$ 10.808,96823734<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Autocustodiante: Não Código Altcoin: ETH<br>**Aplicação Financeira** Lucro ou Prejuízo: 0,00 Imposto Pago no Exterior: 0,00 **Lucros e Dividendos** Valor Recebido: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | 6.600,00 | 12.770,00 |
| 132 | 08 | 02 | SOL COIN - 1,65175423 UNIDADES DO CRIPTOATIVO SOLANA (SOL COIN) . CARTEIRA/CORRETORA: BINANCE (). CUSTO MEDIO UNITARIO R$ 1.077,6421623<br>249 - Estados Unidos<br>Bem ou direito pertencente ao: Titular CPF:<br>Autocustodiante: Não Código Altcoin: SOL<br>**Aplicação Financeira** Lucro ou Prejuízo: 0,00 Imposto Pago no Exterior: 0,00 **Lucros e Dividendos** Valor Recebido: 0,00 Imposto Pago Exterior/IRRF Brasil: 0,00 | 0,00 | 1.780,00 |

PROTEGIDA POR SIGILO FISCAL

**DECLARAÇÃO DE BENS E DIREITOS** (Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 4 | 08 | 02 | THE - 6,27579279 UNIDADES DO CRIPTOATIVO THENA (THE) . CARTEIRA/CORRETORA: BINANCE (). CUSTO MEDIO UNITARIO R$ 19,1210902 | 0,00 | 120,00 |

249 - Estados Unidos

Bem ou direito pertencente ao: Titular CPF:

Autocustodiante: Não Código Altcoin: 999

**Aplicação Financeira**

Lucro ou Prejuízo: 0,00

Imposto Pago no Exterior: 0,00

**Lucros e Dividendos**

Valor Recebido: 0,00

Imposto Pago Exterior/IRRF Brasil: 0,00

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 35 | 99 | 07 | CREDITOS EM TRANSITO (JUROS SOBRE CAPITAL PROPRIO) A RECEBER DE BBDC4 - BCO BRADESCO S.A.(BRADESCO). CNPJ: 60.746.948/0001-12 | 0,00 | 588,32 |

105 - Brasil

CNPJ: 60.746.948/0001-12

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 22 | 99 | 07 | CREDITOS EM TRANSITO (JUROS SOBRE CAPITAL PROPRIO) A RECEBER DE EGIE3 - ENGIE BRASIL ENERGIA S.A.(ENGIE BRASIL). CNPJ: 02.474.103/0001-19 | 0,00 | 32,30 |

105 - Brasil

CNPJ: 02.474.103/0001-19

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 97 | 99 | 07 | CREDITOS EM TRANSITO (JUROS SOBRE CAPITAL PROPRIO) A RECEBER DE ITSA4 - ITAUSA S.A.(ITAUSA). CNPJ: 61.532.644/0001-15 | 0,00 | 297,01 |

105 - Brasil

CNPJ: 61.532.644/0001-15

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 141 | 99 | 07 | CREDITOS EM TRANSITO (JUROS SOBRE CAPITAL PROPRIO) A RECEBER DE KLBN4 - KLABIN S.A.(KLABIN S/A). CNPJ: 89.637.490/0001-45 | 0,00 | 53,61 |

105 - Brasil

CNPJ: 89.637.490/0001-45

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 166 | 99 | 07 | CREDITOS EM TRANSITO (JUROS SOBRE CAPITAL PROPRIO) A RECEBER DE NEOE3 - NEOENERGIA S.A.(NEOENERGIA). CNPJ: 01.083.200/0001-18 | 0,00 | 44,28 |

105 - Brasil

CNPJ: 01.083.200/0001-18

PROTEGIDA POR SIGILO FISCAL

## DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

| Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024? | Não |
|---|---|

| BEM | GRUPO | CÓDIGO | DISCRIMINAÇÃO | SITUAÇÃO EM 31/12/2023 | SITUAÇÃO EM 31/12/2024 |
|---|---|---|---|---|---|
| 159 | 99 | 07 | CREDITOS EM TRANSITO (JUROS SOBRE CAPITAL PROPRIO) A RECEBER DE SAPR4 - CIA SANEAMENTO DO PARANA - SANEPAR(SANEPAR). CNPJ: 76.484.013/0001-45<br>105 - Brasil<br>CNPJ: 76.484.013/0001-45 | 0,00 | 392,15 |
| 145 | 99 | 07 | CREDITOS EM TRANSITO (JUROS SOBRE CAPITAL PROPRIO) A RECEBER DE VALE3 - VALE S.A.(VALE). CNPJ: 33.592.510/0001-54<br>105 - Brasil<br>CNPJ: 33.592.510/0001-54 | 0,00 | 221,67 |
| 60 | 99 | 07 | CREDITOS EM TRANSITO (REEMBOLSO DE PROVENTOS) A RECEBER DE B3SA3 - B3 S.A. BRASIL. BOLSA. BALCAO(B3). CNPJ: 09.346.601/0001-25<br>105 - Brasil<br>CNPJ: 09.346.601/0001-25 | 0,00 | 6,75 |
| **TOTAL** | | | | 537.590,37 | 832.633,45 |

## DÍVIDAS E ÔNUS REAIS

Sem Informações

## DOAÇÕES A PARTIDOS POLÍTICOS E CANDIDATOS A CARGOS ELETIVOS

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DEMONSTRATIVO DE ATIVIDADE RURAL - BRASIL

### DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - BRASIL

Sem Informações

### RECEITAS E DESPESAS - BRASIL

Sem Informações

### APURAÇÃO DO RESULTADO - BRASIL

Sem Informações

### MOVIMENTAÇÃO DO REBANHO - BRASIL

Sem Informações

### BENS DA ATIVIDADE RURAL - BRASIL

Sem Informações

### DÍVIDAS VINCULADAS À ATIVIDADE RURAL - BRASIL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DEMONSTRATIVO DE ATIVIDADE RURAL - EXTERIOR

### DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - EXTERIOR

Sem Informações

### RECEITAS E DESPESAS - EXTERIOR

Sem Informações

### APURAÇÃO DO RESULTADO - EXTERIOR

Sem Informações

### MOVIMENTAÇÃO DO REBANHO - EXTERIOR

Sem Informações

### BENS DA ATIVIDADE RURAL - EXTERIOR

Sem Informações

### DÍVIDAS VINCULADAS À ATIVIDADE RURAL - EXTERIOR

Sem Informações

### DEMONSTRATIVO DA APURAÇÃO DOS GANHOS DE CAPITAL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - TITULAR

### GANHOS LÍQUIDOS OU PERDAS - JAN

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - FEV

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - MAR

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - ABR

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - MAI

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - JUN

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - JUL

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - AGO

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - SET

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - OUT

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - NOV

Sem Informações

### GANHOS LÍQUIDOS OU PERDAS - DEZ

Sem Informações

## RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - DEPENDENTES

Sem Informações

## FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - TITULAR

Sem Informações

## FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - DEPENDENTES

Sem Informações

## DOAÇÕES DIRETAMENTE NA DECLARAÇÃO - ECA

Sem Informações

## DOAÇÕES DIRETAMENTE NA DECLARAÇÃO - IDOSO

Sem Informações

PROTEGIDA POR SIGILO FISCAL

## DEMONSTRATIVO DE APURAÇÃO - LEI 14.754/2023

**Demonstrativo de Apuração do Imposto de Renda Incidente sobre Rendimentos de Aplicações Financeiras no Exterior e sobre Lucros e Dividendos de Entidade Controlada no Exterior e de Compensação de Perdas em Aplicações Financeiras no Exterior**

| Bem | Tipo | Ganho/Prejuízo | Imposto Devido | Imposto Pago no Brasil / Exterior | Base de Cálculo | Saldo |
|---|---|---|---|---|---|---|
| | | | | | Prejuízo do ano anterior: | 0,00 |
| 116 | AF | 8,56 | 1,28 | 2,61 | 0,00 | - |
| 125 | AF | 132,79 | 19,91 | 39,84 | 0,00 | - |
| 64 | AF | 197,34 | 29,60 | 59,21 | 0,00 | - |
| 49 | AF | 0,50 | 0,07 | 0,12 | 0,00 | - |
| 91 | AF | 213,95 | 32,09 | 64,16 | 0,00 | - |
| 65 | AF | 29,10 | 4,36 | 8,71 | 0,00 | - |
| 96 | AF | 219,52 | 32,92 | 65,83 | 0,00 | - |
| 154 | AF | 120,62 | 18,09 | - | 120,62 | 120,62 |
| 57 | AF | 113,89 | 17,08 | 34,14 | 0,00 | 120,62 |
| 74 | AF | 184,93 | 27,73 | 55,51 | 0,00 | 120,62 |
| 18 | AF | 64,52 | 9,67 | 19,36 | 0,00 | 120,62 |
| 56 | AF | 25,65 | 3,84 | 7,71 | 0,00 | 120,62 |
| 34 | AF | 4,86 | 0,72 | 1,46 | 0,00 | 120,62 |
| 135 | AF | 66,21 | 9,93 | 19,91 | 0,00 | 120,62 |
| 138 | AF | 50,42 | 7,56 | 15,08 | 0,00 | 120,62 |
| 52 | AF | 76,48 | 11,47 | 22,94 | 0,00 | 120,62 |
| 16 | AF | 50,27 | 7,54 | 15,11 | 0,00 | 120,62 |
| 108 | AF | 84,33 | 12,64 | 25,32 | 0,00 | 120,62 |
| 148 | AF | 119,21 | 17,88 | 35,74 | 0,00 | 120,62 |
| 37 | AF | 2,79 | 0,41 | 0,87 | 0,00 | 120,62 |
| 69 | AF | 466,03 | 69,90 | 139,86 | 0,00 | 120,62 |
| 53 | AF | 59,44 | 8,91 | 17,75 | 0,00 | 120,62 |
| 143 | AF | 2,28 | 0,34 | 0,68 | 0,00 | 120,62 |
| 44 | AF | 21,60 | 3,24 | 6,53 | 0,00 | 120,62 |
| 21 | AF | 30,10 | 4,51 | 9,07 | 0,00 | 120,62 |
| 106 | AF | 16,94 | 2,54 | 5,08 | 0,00 | 120,62 |
| 89 | AF | 3,70 | 0,55 | 1,11 | 0,00 | 120,62 |
| 104 | AF | 194,72 | 29,20 | 58,48 | 0,00 | 120,62 |
| 32 | AF | 19,36 | 2,90 | 5,80 | 0,00 | 120,62 |
| 67 | AF | 215,10 | 32,26 | 64,52 | 0,00 | 120,62 |
| 144 | AF | 44,74 | 6,71 | 13,41 | 0,00 | 120,62 |
| 111 | AF | 182,49 | 27,37 | 54,69 | 0,00 | 120,62 |
| 107 | LD | 65,44 | 9,81 | - | 65,44 | 186,06 |
| 130 | LD | 27,23 | 4,08 | - | 27,23 | 213,29 |
| 76 | LD | 68,43 | 10,26 | - | 68,43 | 281,72 |
| 151 | LD | 148,69 | 22,30 | 44,61 | 0,00 | 281,72 |

PROTEGIDA POR SIGILO FISCAL

**NOME: RILLIAN DIELLO LUCAS PIRES**
**CPF: 385.898.458-26** **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
**DECLARAÇÃO DE AJUSTE ANUAL** **EXERCÍCIO 2025** **ANO-CALENDÁRIO 2024**

| | |
|---|---|
| **Base de Cálculo:** | 281,72 |
| **Imposto Devido:** | 42,25 |

| **Legenda Tipo** | **Bem** |
|---|---|
| AF - Aplicação Financeira<br>LD - Lucros e Dividendos | A identificação do bem pode ser verificada na impressão da ficha de Bens e Direitos. |

## RESUMO — TRIBUTAÇÃO UTILIZANDO AS DEDUÇÕES LEGAIS

### RENDIMENTOS TRIBUTÁVEIS

| | |
|---|---|
| Recebidos de Pessoa Jurídica pelo titular | 138.370,81 |
| Recebidos de Pessoa Jurídica pelos dependentes | 0,00 |
| Recebidos de Pessoa Física/Exterior pelo titular | 0,00 |
| Recebidos de Pessoa Física/Exterior pelos dependentes | 0,00 |
| Recebidos acumuladamente pelo titular | 0,00 |
| Recebidos acumuladamente pelos dependentes | 0,00 |
| Resultado tributável da Atividade Rural | 0,00 |
| TOTAL | 138.370,81 |

### DEDUÇÕES

| | |
|---|---|
| Contribuições às previdências oficial e complementar fechada de que trata o § 15 do art. 40 da CF/1988 (até o limite do patrocinador) | 8.443,53 |
| Contribuição à previdência oficial (Rendimentos recebidos acumuladamente) | 0,00 |
| Contribuição à prev. complementar, inclusive o valor para as fechadas de que trata o § 15 do art. 40 da CF/1988 que exceder o limite do patrocinador | 15.000,00 |
| Dependentes | 0,00 |
| Despesas com instrução | 0,00 |
| Despesas médicas | 0,00 |
| Pensão alimentícia judicial | 0,00 |
| Pensão alimentícia por escritura pública | 0,00 |
| Pensão alimentícia judicial (Rendimentos recebidos acumuladamente) | 0,00 |
| Livro caixa | 0,00 |
| TOTAL | 23.443,53 |

### IMPOSTO DEVIDO

| | |
|---|---|
| Base de cálculo do imposto | 114.927,28 |
| Imposto devido | 20.864,02 |
| Dedução de incentivo | 0,00 |
| Imposto devido I | 20.864,02 |
| Imposto devido RRA | 0,00 |
| Imposto Lei 14.754/2023 | 42,25 |
| Aliquota efetiva (%) | 15,07 |
| Total do imposto devido | 20.906,27 |

| | |
|---|---|
| **IMPOSTO A RESTITUIR** | 4.745,37 |
| **SALDO DE IMPOSTO A PAGAR** | 0,00 |

### PARCELAMENTO

| | |
|---|---|
| Valor da quota | 0,00 |
| Número de Quotas | 0 |

### IMPOSTO PAGO

| | |
|---|---|
| Imposto retido na fonte do titular | 25.651,65 |
| Imp. retido na fonte dos dependentes | 0,00 |
| Carnê-Leão do titular | 0,00 |
| Carnê-Leão dos dependentes | 0,00 |
| Imposto complementar | 0,00 |
| Imposto pago no exterior | 0,00 |
| Imposto retido na fonte (Lei nº 11.033/2004) | 0,00 |
| Imposto retido RRA | 0,00 |
| Total do imposto pago | 25.651,65 |

### INFORMAÇÕES BANCÁRIAS

| | |
|---|---|
| Tipo de Conta | Pix |
| Banco | |
| Agência (sem DV) | |
| Conta para crédito | |

PROTEGIDA POR SIGILO FISCAL

**EVOLUÇÃO PATRIMONIAL**

| | |
|---|---|
| Bens e direitos em 31/12/2023 | 537.590,37 |
| Bens e direitos em 31/12/2024 | 832.633,45 |
| Dívidas e ônus reais em 31/12/2023 | 0,00 |
| Dívidas e ônus reais em 31/12/2024 | 0,00 |

**OUTRAS INFORMAÇÕES**

| | |
|---|---|
| Rendimentos isentos e não tributáveis | 333.940,23 |
| Rendimentos sujeitos à tributação exclusiva/definitiva | 12.704,57 |
| Rendimentos tributáveis - imposto com exigibilidade suspensa | 0,00 |
| Depósitos judiciais do imposto | 0,00 |
| Imposto pago sobre Ganhos de Capital | 0,00 |
| Imposto pago Ganhos de Capital Moeda Estrangeira - Bens, direitos e Aplicações Financeiras | 0,00 |
| Total do imposto retido na fonte (Lei nº11.033/2004), conforme dados informados pelo contribuinte | 0,00 |
| Imposto pago sobre Renda Variável | 0,00 |
| Doações a Partidos Políticos e Candidatos a Cargos Eletivos | 0,00 |
| Imposto a pagar sobre o Ganho de Capital - Moeda Estrangeira em Espécie | 0,00 |
| Imposto diferido dos Ganhos de Capital | 0,00 |
| Imposto devido sobre Ganhos de Capital | 0,00 |
| Imposto devido sobre ganhos líquidos em Renda Variável | 0,00 |
| Imposto devido sobre Ganhos de Capital Moeda Estrangeira - Bens, direitos e aplic. financeiras | 0,00 |

PROTEGIDA POR SIGILO FISCAL

# Identification of foliar soybean diseases using local descriptors

Rillian Diello Lucas Pires, Wesley Eiji Sanches Kanashiro, Wesley Nunes Gonçalves, Bruno Brandoli Machado, Mauro dos Santos de Arruda and Jonatan Patrick Margarido Oruê
School of Computing, Federal University of Mato Grosso do Sul, UFMS
Campo Grande, MS, Brazil
{wesskanashiro, rilliansf, jonatanorue, mauro.santos}@gmail.com, {wesley.goncalves, bruno.brandoli}@ufms.br

***Abstract*—The identification of foliar diseases is very important in the grain production. In the last decade, a great number of soybean leaf diseases have impacted the croping in Brazil. This paper presents a local feature approach to identify soybean leaf diseases. We compared different local descriptors, such as SIFT, Dense SIFT, and SURF over a Bag-of-Visual-Words model. Experimental results demonstrated that local descriptors are efficient in performing the recognition of foliar diseases. The description based on Dense SIFT achieved the best result with accuracy of 85%.***

## I. INTRODUCTION

In 2013, the agribusiness sector, encompassing everything from input production to commercialization, represented about 25% of national GDP. According to the Confederation of Agriculture and Livestock of Brazil (CNA) and the Brazilian Institute of Geography and Statistics (IBGE), the main highlight was the grain harvest, which drove 7% growth in agricultural GDP and 2.3% in national GDP. Among the grains that contributed most to this increase, soybean stood out, with production up 24.3%.

Although soybean is one of the easiest plants to cultivate, the economic exploitation of its yield potential (above 4,000 kg/ha) is hardly achieved due to a lack of adequate management [1]. Among the main limiting factors of yield are diseases, which are, in general, difficult to control. The number of diseases caused by bacteria, fungi, nematodes, and viruses continues to increase with each harvest as the crop expands into new environments. The significance of each disease varies from year to year and from region to region, depending on the predominant varieties and the climatic conditions of each harvest. Initially, soybean expanded in Brazil in a healthy state; however, after some years of commercial cultivation, diseases emerged that then became limiting factors to the increase and stability of yield [2].

Thus, monitoring diseases from the planting stage through to harvest is important for increasing production. This monitoring must be fast and effective, suggesting that automatic methods should be carried out. Currently, works using images and computer vision have been developed with the aim of contributing to agribusiness. As an example, we can cite a work for assessing the nutritional status of corn from digital images with the aid of computer vision [3]. In addition to this, Cruvinel and Karam [4] proposed a method based on computer vision for constructing herbicide application maps for the corn crop, focusing on weeds.

This article aims to develop an automated tool to characterize soybean leaves and, consequently, recognize the presence of a disease. This process is a scientific challenge mainly due to the nature of the leaves [5]. To this end, this work aims to perform a comparative analysis among the main local image descriptors that can be used together with the histogram of visual words - BOVW [6] (Bag-of-Visual-Words). BOVW consists of building a vocabulary of visual words from points of interest detected by local descriptors. After the construction of the vocabulary, the points of interest of a given image are labeled as visual words, and a frequency histogram is built to form the feature vector.

The first step for the construction of the vocabulary is the detection and description of points of interest. There are several algorithms in the literature that aim to detect and/or describe points. Among these, we can cite SIFT (Scale-Invariant Feature Transform) [7], Dense SIFT [8], SURF (Speeded-UP Robust Features) [9], PHOW (Pyramid Histogram Of Visual Words) [10], HOG (Histograms of Oriented Gradients) [11], and LBP (Local Binary Patterns) [12]. The detection and description of points in images is a crucial stage of BOVW, since it is from it that the visual words that compose the vocabulary will be defined, which, in turn, will be used for the creation of a histogram for the classification of an image.

In this work, the three main local descriptors SIFT, SURF, and Dense SIFT were compared in the recognition of foliar diseases in the soybean crop. The problem is to detect whether a microscopic sample of a leaf is healthy or has one of the three main diseases that affect crops in Brazil: two varieties of rust and mildew. The results showed that Dense SIFT achieved the best accuracy among the compared descriptors, with a correct classification rate of 85% with vocabulary size $K = 300$, 1.67% more than SURF and 3.09% more than SIFT, both using $K = 900$. Despite the difficulty inherent to the problem, we can conclude that the use of local descriptors together with BOVW is an efficient way to recognize foliar diseases in the soybean crop.

This article is organized as follows: Section II briefly describes the local descriptors and BOVW. Section III presents the image dataset for disease detection in soybean leaves and describes the experiments and results for each local descriptor in BOVW. Finally, Section IV reports the

conclusions and future work.

## II. THEORIES

In this section, the local descriptors that were used in the recognition of foliar diseases in the soybean crop are presented. These descriptors, in general, have 2 stages: localization of points of interest and the description of these points.

### *A. Scale-Invariant Feature Transform - SIFT*

SIFT (Scale Invariant Feature Transform) [7] is a computer vision algorithm published by David Lowe. It originated from the need to deal with object recognition within real images where there may be interferences, such as changes in scale, orientation, and occlusions.

In summary, SIFT extracts a set of vectors to describe each point, which has as its main characteristics: high distinctiveness; invariance to scale, rotation, partial invariance to illumination, and to 3D variations. Basically, SIFT can be described in 4 steps:

1) Scale space: In this first step, a scale space is constructed with the aim of searching for points of interest in an image. For this, the Difference of Gaussians [13] is used to identify potential points of interest *pi* that are invariant to scale;

2) *Localization and elimination of keypoints:* For each candidate point *pi*, its position and scale are determined. Points are selected based on measures of their stability in a pyramid of images at various scales. A local maximum or minimum point is identified by comparing it with the neighbors of the scale below and the scale above; as a result of this phase, we have the spatial location of the point in the image *(xi, yi)* and the scale at which it was detected $\sigma i$;

3) *Definition of keypoint orientation:* One or more orientations are assigned to each keypoint *pi* based on the predominant gradient directions. As a result, an orientation $\theta i$ is assigned to each point;

4) *Generation of descriptors:* The descriptor of each keypoint *pi* is constructed based on the neighboring region of this point in the scale (filtered image) in which it was detected. The descriptor is composed of a histogram of eight directions using the gradient magnitude of the neighborhood. The normalization of the descriptor makes it invariant to illumination. As a result of this step, we have a vector *hi* containing 128 values representing the region around the point.

At the end of the 4 steps, SIFT detects *M* points of interest with the following properties: $\varphi i = [xi, yi, \delta i, \theta i, hi]$, where *(xi, yi)* is the spatial position of the point, $\delta i$ is the scale, $\theta i$ is the orientation, and *hi* is the descriptor.

### *B. Dense SIFT*

After the good results of SIFT, several variants were proposed, such as PCA-SIFT [14] and Dense SIFT [8]. Dense SIFT is a descriptor that has shown good results in scene and object recognition tasks [8]. The main difference is that Dense SIFT eliminates the point detection step and uses a dense grid of points of interest, for example, all the pixels of the image or a grid that considers every 8 pixels. Figure 1 illustrates an example of a dense grid in an image where each circle represents a point of interest. Thus, each point of this grid is described in the same way as SIFT, by means of the gradient of the neighboring region.

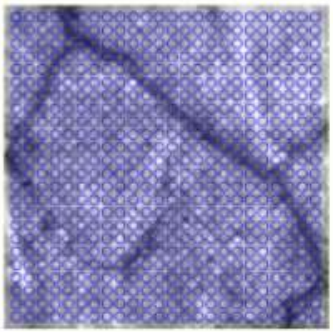


Figure 1. Example of grid used in Dense SIFT. Each circle represents a point of interest in the dense grid.

The great advantage of Dense SIFT is that the points of interest cover the entire image. Thus, the number of points depends exclusively on the grid used in the image. For example, if all pixels are considered as points of interest, for an image with $w \times h$ pixels, $M = w \times h$ points of interest are obtained.

### *C. Speeded-Up Robust Features - SURF*

The SURF (Speeded-Up Robust Features) descriptor, proposed by Bay *et al.* [9], presents a fast and robust algorithm for the extraction of points of interest in an image. SURF was partly inspired by SIFT [7]. However, the authors consider that SURF presents more representative points of interest, besides being faster in comparison to SIFT. Like SIFT, SURF seeks descriptors that have as their main characteristics: high distinctiveness among descriptors; invariance to scale, rotation, partial invariance to illumination, and to 3D variations.

It can be described in 4 steps, very similar to those found in SIFT:

1) *Scale space:* For the detection of points of interest, SURF uses the determinant of the approximation of the Hessian matrix. The Hessian matrix $H(pi, \sigma)$ for a given image point $pi = (x, y)$ with scale $\sigma$ is given by convolutions of the second-order Gaussian partial derivatives in the horizontal, vertical, and diagonal directions of the image I at point *pi*. To optimize computational cost, SURF uses a set of $9 \times 9$ box filters for the approximation of the second-order Gaussian derivative; this reduces processing time and can be analyzed very quickly through the use of integral images;

2) *Localization and elimination of points:* This step is responsible for obtaining scale invariance and noise elimination. Generally, scale invariance is obtained through a pyramid of images at various scales, as in SIFT.

However, SURF obtains this through a set of box filters that increase in size exponentially, so as not to lose intermediate information between scales. In this way, SURF applies non-maximum suppression in 3 dimensions, since each convolution by a filter generates a matrix of results, making it necessary to obtain maximum values within these matrices. SURF also considers the values of neighboring matrices, analyzing the values of the first scale above and the first scale below when a maximum point is located; all other values are suppressed. At the end, SURF returns the spatial location of the point in the image *(xi, yi)* and the scale at which it was obtained, $\sigma i$.

3) *Definition of keypoint orientation:* To ensure rotation invariance, keypoints are identified with an orientation calculated from the response of the Haar wavelet transform in the *x* and *y* directions within a circular neighborhood centered on the point of interest, with a radius dependent on the scale $\sigma$. Wavelets can distinguish the local characteristics of a signal at different scales and, through translations, they cover the entire region in which the signal is evaluated. The responses are plotted in a vector space, and the dominant orientation of the point is defined through the sum within a 60º segment, where the largest vector defines the orientation assigned to the keypoint;

4) *Description of Points of Interest:* With the neighborhood defined and a division performed, resulting in a quadrant of 4 × 4 sub-regions, for each sub-region the responses of the Haar wavelets are calculated. For each sub-region, the sum of the *dx* and *dy* responses of the Haar wavelets is calculated, according to Equation 1:

$$v = (\Sigma dx, \Sigma dy, \Sigma|dx|, \Sigma|dy|) \qquad (1)$$

Since 4 values are calculated for each of the 4×4 sub-regions, the descriptor of each point of interest is composed of 64 values. The responses obtained by Haar wavelets are invariant to illumination.

*D. Bag-of-Visual-Words - BOVW*

BOVW (Bag-of-Visual-Words), or Histogram of Visual Words, is an algorithm used in the field of image recognition. This technique extracts a histogram from the counting of occurrences of a given visual word in the image. A visual word is a midpoint that represents a group of similar points of interest [6], [15].

The BOVW algorithm is composed of the following steps: detection and description of points of interest, vocabulary creation, and histogram generation. Each of these steps is described in the subsections below.

1) *Detection and Description of Points of Interest:* In images, points of interest are points that stand out and that can be used in recognition tasks. In general, these points are in regions where there is an intense variation of gray levels. To find and describe them, local descriptors such as SURF and SIFT were proposed. These algorithms detect and describe points of interest through numeric vectors containing values referring to the direction of the variations that occur around the point.

With the extraction and description of the points of interest, we obtain a set *H* of local descriptors that represents an image I, as seen in Equation 2.

$$HI = [h1, h2, ..., hM]T \in \Re M \times D, \qquad (2)$$

where *M* represents the number of points of interest found in the image, and *D* represents the dimension of the descriptors of each point. The number of points of interest *M* varies from image to image.

In Figure 2, we have an example of the detection of points of interest through the SIFT and SURF descriptors.

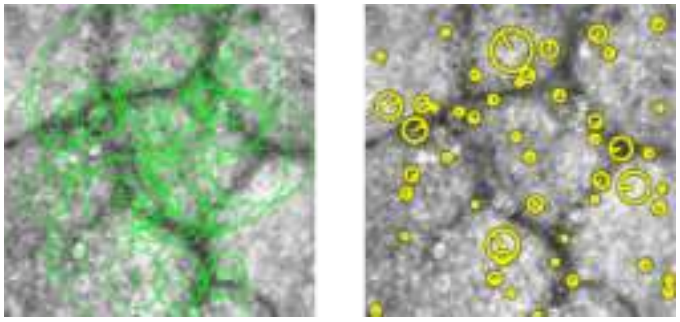


Figure 2. Example of points of interest detected through the SURF (Green) and SIFT (Yellow) descriptors.

2) *Vocabulary Creation:* This step consists of applying a clustering algorithm for the creation of the vocabulary of visual words. After obtaining the points of interest of the training images, these are grouped into a set *D* of local descriptors. This set is formed by the local descriptors of all the training images (Equation 3).

$$D = [H1, H2, ..., Hn], \qquad (3)$$

where *n* represents the number of training images.

For the construction of the vocabulary, a clustering algorithm is used to separate the local descriptors into groups. Generally, the algorithm used is *K-means* [16], as it is simple, intuitive, produces results that are easy to interpret, and has linear complexity. *K-means* is then applied to the set of local descriptors *D* to obtain a set of centroids *C*, according to Equation 4:

$$C = K\text{-}means(D), \qquad (4)$$

The centroid of each group corresponds to the mean of the values of all the descriptors belonging to that group. In *K-means*, at first, the *K* centroids are defined randomly; then, each descriptor of the input set is associated with the nearest centroid and, finally, each centroid has its value updated by the mean of all the descriptors associated with its group. This process is carried out until the centroid has its value stabilized or the limit of iterations is exceeded.

Each centroid $ci \in C$ corresponds to a visual word, and the set of visual words *C* forms the visual vocabulary. In this way, it is possible to quantify the frequency of visual words present in a given image.

3) *Histogram Generation:* In the generation of the histogram, each point of interest of an image is labeled based on the vocabulary of visual words using the Euclidean distance. Next, a histogram is generated for the image based on the previously labeled points of interest. The histogram has the size of the vocabulary of visual words, and each position represents the frequency with which each visual word occurs in the image.

In Figure 3, we can visualize each step of the BOVW described above.

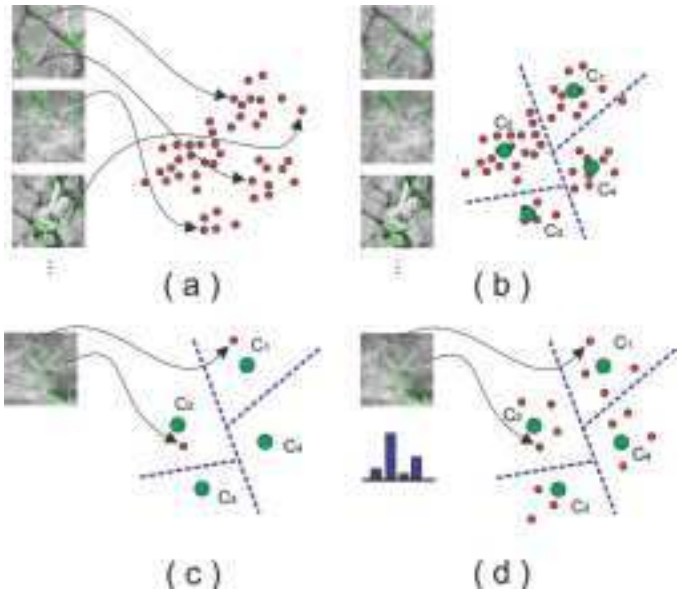



Figure 3. Image illustrating the steps of the BOVW algorithm. (a) Corresponds to the detection and description of points of interest. (b) Corresponds to the creation of the visual vocabulary. (c) Presents the counting of visual words. (d) Corresponds to the creation of the histogram. Image based on [17].

## III. EXPERIMENTS AND RESULTS

In this section, the image database used and the results obtained with the local descriptors SIFT, SURF, and Dense SIFT applied to the recognition of foliar diseases in the soybean crop are described, as well as a comparison among the local descriptors.

### *A. Image Database*

The image database is composed of four classes of soybean foliar images of the *Potência BMX cultivar*, three of them with the presence of some disease and one class of healthy leaves. The three foliar diseases, anthracnose, Asian rust, and mildew, are caused by fungi. Asian rust is caused by the fungus *Phakopsora pachyrhizi* and causes circular lesions on the leaves. Anthracnose is a disease caused by the fungus *Colletotrichum truncatum* and produces lesions on the veins of the leaves, stems, and pods of the plants. Mildew causes spots created by powdery layers caused by the fungus *Peronospora manshurica*, although other variations may exist. For each class, 360 microscopic images were captured at 200 times magnification, totaling 1,440 samples. The samples have dimensions of 200 × 200 pixels and were converted to grayscale. Figure 5 shows four examples of each class.

### *B. Experiments*

The descriptors of the images were extracted using the SIFT, SURF, and Dense SIFT methods. The histogram of visual words (BOVW) was used to form the final descriptor, with the vocabulary size $K$ varying from 100 to 1000 with an increment of 100. In the classification step, the Support Vector Machine (SVM) classifier was used, as it is one of the most widely used at present. The SVM was used by means of cross-validation, with 10 folds [18].

### *C. Results*

The graph in Figure 4 presents the correct classification rate obtained by each descriptor using the BOVW with $K$ visual words. The three descriptors presented similar results; however, the Dense SIFT descriptor proved superior to the other descriptors compared, reaching its peak with $K = 300$, where it obtained 85% correct classification, followed by the SURF and SIFT descriptors, which obtained 83.33% and 81.94%, respectively, with $K = 900$.

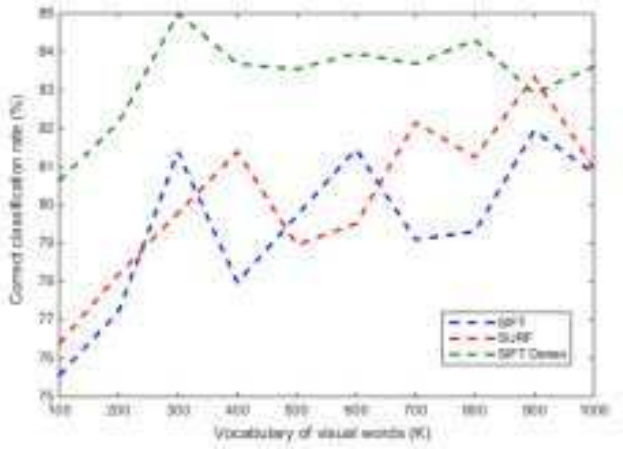
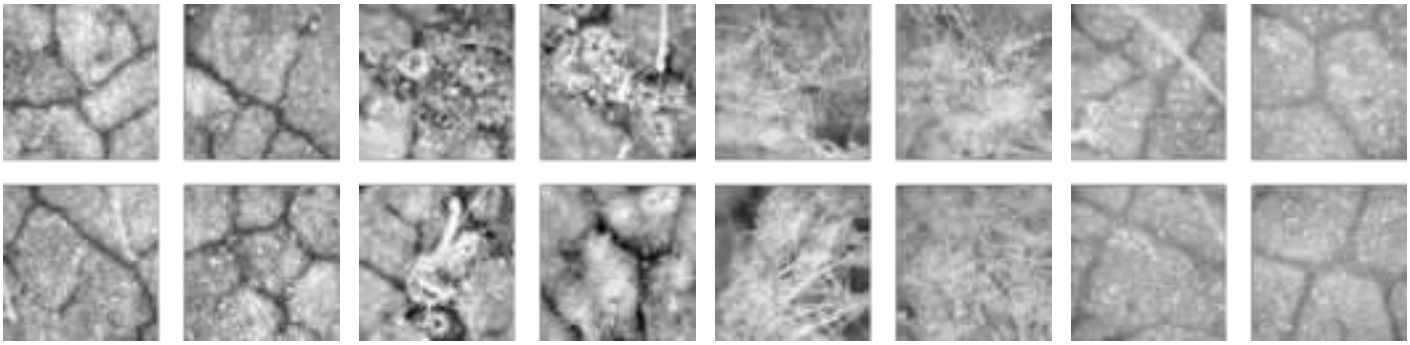



Figure 4. Correct classification rate obtained by the SIFT, SURF, and Dense SIFT descriptors using the SVM classifier, with the vocabulary of words $K$ varying from 100 to 1000.

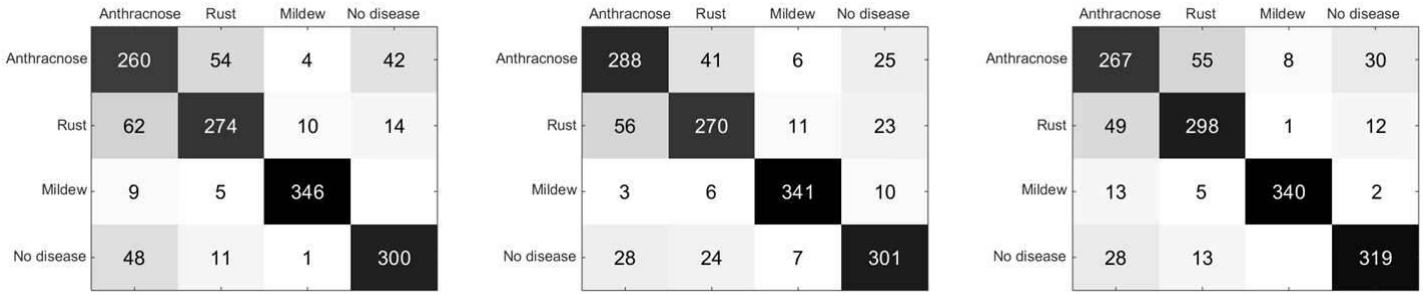
Table I presents a comparative result using the best correct classification rate obtained by each descriptor. In addition to the percentage of correct classification, the table also presents the vocabulary size $K$, the standard deviation, and the f-measure, which are important in the comparison. As can be observed, Dense SIFT requires fewer visual words $K$ to achieve its best result compared with SIFT and SURF. However, Dense SIFT uses more points of interest in the construction of the vocabulary, since it detects a point for each pixel of the image. On average, Dense SIFT extracts 576 points for each image, while SIFT and SURF extract 221 and 114 points, respectively. With the use of more points in *K-means*, it more adequately represents the vocabulary, thus requiring fewer visual words.

The confusion matrices for the descriptors are shown in Figure 6. In this figure, a technique with good performance is represented by a matrix with most of its values on the main diagonal and few values outside of it. In this way,



(a) Anthracnose (b) Rust (c) Mildew (d) No disease

Figure 5. Set of images composed of four disease classes. One of them is healthy leaves, and the other three are diseases caused by fungi.




(a) SIFT (b) SURF (c) Dense SIFT

Figure 6. Confusion matrices of the SIFT, SURF, and Dense SIFT descriptors, obtained by the *SVM* classifier.

Table I. COMPARATIVE RESULTS AMONG THE SIFT, SURF, AND DENSE SIFT DESCRIPTORS USING THE *SVM* CLASSIFIER. THE TABLE PRESENTS THE BEST RESULT FOR EACH TECHNIQUE BY VARYING THE DIMENSIONALITY OF THE WORD VOCABULARY *K*.

| Method | K | % (Standard Deviation) | F-Measure |
|---|---|---|---|
| SIFT | 900 | 81.94 (±2.62) | 0.8200 |
| SURF | 900 | 83.33 (±1.79) | 0.8330 |
| **Dense SIFT** | 300 | **85.00** (±2.58) | 0.8504 |

we can visualize the superiority of the Dense SIFT descriptor in relation to the others. It is also possible to observe that there is greater confusion between the images belonging to the anthracnose and rust diseases, due to the similarity of their images, as can be observed in Figure 5.

Furthermore, Figure 7 presents the correct classification rate of the compared descriptors in relation to each foliar disease class. Thus, we can observe that, using the SIFT and Dense SIFT descriptors, the anthracnose class presented the worst result, with 72.22% and 74.16%, respectively. With the SURF descriptor, the rust class presented the lowest accuracy, reaching 75%. Also, we can note that the mildew class achieved the highest correct classification rate for all descriptors compared in this work, with 96.11%, 94.72%, and 94.44% for the SIFT, SURF, and Dense SIFT descriptors, in that same order.

## IV. CONCLUSION

This work presented a comparison among local descriptors applied to the recognition of foliar diseases

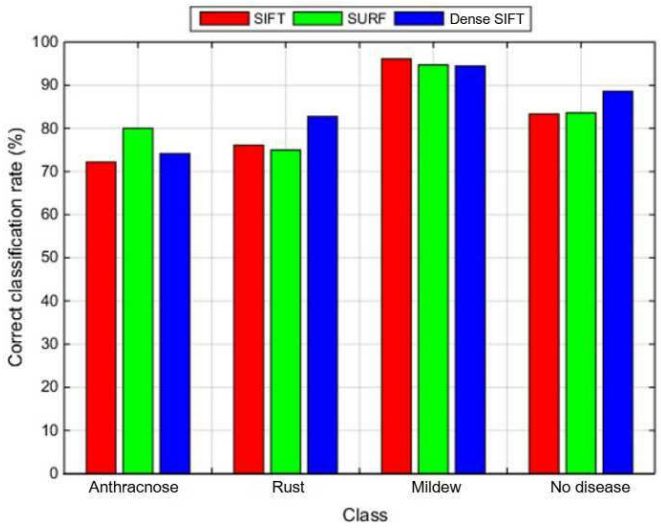



Figure 7. Correct classification rate for each foliar disease class, obtained by the SIFT, SURF, and Dense SIFT feature descriptors using the SVM classifier.

in the soybean crop. The SIFT, SURF, and Dense SIFT descriptors were used to detect and describe points of interest in the image; then, the BOVW method was used to combine the points of interest into a histogram of visual words due to its popularity in the computer vision community. The extracted features were classified by the SVM classifier.

With the results, we can conclude that the Dense SIFT descriptor obtained the best result in identifying foliar diseases in the soybean crop, achieving an accuracy of

85.00%, followed by the SURF and SIFT descriptors, with 83.33% and 81.94%, respectively. Furthermore, the mildew disease achieved a very satisfactory recognition rate using any of the compared descriptors, with 96.11%, 94.72%, and 94.44% for the SIFT, SURF, and Dense SIFT descriptors, respectively. On the other hand, the anthracnose disease achieved an accuracy of 72.22% and 74.16% for the SIFT and Dense SIFT descriptors, being the least recognized disease among those belonging to the image database.

In future work, the objective is to include new descriptors in the comparisons performed (e.g., HOG, LBP, PHOW). It is also intended to carry out an analysis of the computational performance of the descriptors. Likewise, it is intended to validate the descriptors on new image databases, for example, on images captured from digital cameras. In addition, it is intended to include methods that explore spatial information of the BOVW algorithm, such as spatial pyramids.

## ACKNOWLEDGMENTS

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Marina Viana

**Date: September 8, 2026**

# Identification of foliar soybean diseases using local descriptors

Rillian Diello Lucas Pires, Wesley Eiji Sanches Kanashiro, Wesley Nunes Gonçalves,
Bruno Brandoli Machado, Mauro dos Santos de Arruda and Jonatan Patrick Margarido Oruê
Faculdade de Computação, Universidade Federal de Mato Grosso do Sul, UFMS
Campo Grande, MS, Brasil
{wesskanashiro, rilliansf, jonatanorue, mauro.santos}@gmail.com, {wesley.goncalves, bruno.brandoli}@ufms.br

***Resumo*—The identification of foliar diseases is very important in the grain production. In the last decade, a great number of soybean leaf diseases have impacted the croping in Brazil. This paper presents a local feature approach to identify soybean leaf diseases. We compared different local descriptors, such as SIFT, Dense SIFT and SURF over a Bag-of-Visual-Words model. Experimental results demonstrated that local descriptors are efficient in performing the recognition of foliar diseases. The description based on Dense SIFT achieved the best result with accuracy of 85%.**

## I. Introdução

No ano de 2013, o agronegócio, que compreende desde a produção de insumo até a sua comercialização, representou cerca $25\%$ do PIB nacional. Segundo a Confederação da Agricultura e Pecuária do Brasil (CNA) e o IBGE, o grande destaque foi a safra de grãos, que permitiu crescimentos de 7% no PIB agropecuário e 2,3% no PIB nacional. Dentre os grãos que mais contribuíram para esse aumento, o destaque foi dado à soja, cuja produção aumentou em 24,3%.

Apesar da soja ser uma das plantas mais fáceis de serem cultivadas, a exploração econômica do seu potencial de rendimento (superior a 4.000 kg/ha) dificilmente é alcançada por falta de manejo adequado [1]. Entre os principais fatores limitantes do rendimento estão as doenças que, em geral, são de difícil controle. O número de doenças causadas por bactérias, fungos, nematóides e vírus, continua aumentando a cada safra com a expansão da cultura para novos ambientes. A importância de cada doença varia de ano para ano e de região para região, dependendo das variedades predominantes e da condição climática de cada safra. Inicialmente a soja se expandiu no Brasil com sanidade, todavia, após alguns anos de cultivo comercial surgiram doenças que passaram então, a serem fatores limitantes ao aumento e estabilidade do rendimento [2].

Dessa forma, o monitoramento das doenças desde a fase do plantio até a colheita é importante para o aumento da produção. Esse monitoramento deve ser rápido e eficaz, sugerindo que métodos automáticos sejam realizados. Atualmente, trabalhos utilizando imagens e visão computacional têm sido desenvolvidos com o intuito de colaborar com o agronegócio. Como exemplo, podemos citar um trabalho para avaliação do estado nutricional do milho a partir de imagens digitais com auxílio da visão computacional [3]. Além deste, Cruvinel e Karam [4] propuseram um método baseado em visão computacional para a construção de mapas de aplicação de herbicida para cultura do milho com foco em plantas invasoras.

Este artigo tem como objetivo o desenvolvimento de uma ferramenta automatizada para caracterizar as folhas de soja, e consequentemente reconhecer a presença de alguma doença. Este processo é um desafio científico principalmente devido à natureza das folhas [5]. Para isso, este trabalho visa realizar uma análise comparativa entre os principais descritores locais de imagem que podem ser utilizados em conjunto com o histograma de palavras visuais - BOVW [6] (do inglês - *Bag-of-Visual-Words*). O BOVW consiste em construir um vocabulário de palavras visuais a partir de pontos de interesse detectados por descritores locais. Após a construção do vocabulário, os pontos de interesse de uma determinada imagem são rotulados em palavras visuais e um histograma de frequência é construído para formar o vetor de características.

O primeiro passo para a construção do vocabulário é a detecção e descrição de pontos de interesse. Existem hoje na literatura diversos algoritmos que tem como objetivo detectar e/ou descrever pontos. Deste, podemos citar o SIFT (*Scale Invariant Feature Transform*) [7], SIFT Denso [8], SURF (*Speeded-UP Robust Features*) [9], PHOW (*Pyramid Histogram Of Visual Words*) [10], HOG (*Histograms of Oriented Gradients*) [11] e o LBP (*Local Binary Patterns*) [12]. A detecção e descrição de pontos em imagens é uma etapa crucial do BOVW, pois é a partir dela que serão definidas as palavras visuais que compõem o vocabulário, que por sua vez, será utilizado para a criação de um histograma para a classificação de uma imagem.

Neste trabalho, os três principais descritores locais SIFT, SURF e SIFT Denso foram comparados no reconhecimento de doenças foliares na cultura da soja. O problema é detectar se uma amostra microscópica de uma folha é sadia ou possui uma das três principais doenças que afetam as plantações no Brasil: duas variações de ferrugem e míldio. Os resultados apontaram que o SIFT Denso alcançou a melhor acurácia dentre os descritores comparados, com uma taxa de classificação correta de 85% com o tamanho do vocabulário $K = 300$, 1.67% a mais que o SURF e 3.09% a mais que o SIFT, ambos utilizando $K = 900$. Apesar da dificuldade inerente no problema, podemos concluir que a utilização de descritores locais juntamente com o BOVW é uma forma eficiente para reconhecer doenças foliares na cultura da soja.

Este artigo está organizado da seguinte forma: a Seção II descreve brevemente os descritores locais e o BOVW. A Seção III apresenta a base de imagens para detecção de doenças em folhas de soja e descreve os experimentos e os resultados para cada descritor local no BOVW. Por fim, a Seção IV relata as

conclusões e os trabalhos futuros.

## II. TEORIAS

Nesta seção, são apresentados os descritores locais que foram utilizados no reconhecimento de doenças foliares na cultura da soja. Esses descritores, em geral, possuem 2 etapas: localização de pontos de interesse e a descrição destes pontos.

### A. Scale Invariant Feature Transform - SIFT

O SIFT (*Scale Invariant Feature Transform*) [7] é um algoritmo de visão computacional publicado por David Lowe. Ele teve sua origem na necessidade de lidar com o reconhecimento de objetos dentro de imagens reais onde podem haver interferências, tais como mudança de escala, orientação e oclusões.

Em síntese o SIFT extrai um conjunto de vetores para descrever cada ponto, que tem como principais características: alta distintividade; invariância a escala, rotação, parcialmente a iluminação e variações 3D. Basicamente, o SIFT pode ser descrito em 4 etapas:

*1) Espaço de Escalas:* Nesta primeira etapa um espaço de escalas é construído com o intuito de buscar pontos de interesse em uma imagem. Para isto é utilizada a Diferença de Gaussianas [13], para identificação de potenciais pontos de interesse $p_i$ que são invariantes à escala;

*2) Localização e eliminação de pontos-chave:* Para cada ponto candidato $p_i$, é determinada a sua posição e escala. Os pontos chave são selecionados com base em medidas de sua estabilidade em uma pirâmide de imagens em diversas escalas. Um ponto de máximo ou mínimo local é identificado por meio da sua comparação com os vizinhos da escala abaixo e da escala acima, como resultado desta fase temos a localização espacial do ponto na imagem $(x_i, y_i)$ e a escala em que ele foi detectado $\sigma_i$;

*3) Definição da orientação dos pontos-chave:* Uma ou mais orientações são atribuídas para cada ponto chave $p_i$ com base nas direções do gradiente predominantes. Como resultado, é atribuído uma orientação $\theta_i$ para cada ponto;

*4) Geração dos descritores:* O descritor de cada ponto chave $p_i$ é construído com base na região vizinha deste ponto na escala (imagem filtrada) em que ele foi detectado. O descritor é composto por um histograma de oito direções usando a magnitude do gradiente da vizinhança. A normalização do descritor deixa-o invariante à iluminação. Como resultado desta etapa temos um vetor $h_i$ contendo 128 valores representando a região ao redor do ponto.

Ao final das 4 etapas, o SIFT detecta $M$ pontos de interesse com as seguintes propriedades: $\varphi_i = [x_i, y_i, \delta_i, \theta_i, h_i]$, sendo $(x_i, y_i)$ a posição espacial do ponto, $\delta_i$ é a escala, $\theta_i$ a orientação e $h_i$ são os descritores.

### B. SIFT Denso

Após os bons resultados do SIFT, diversas variantes foram propostas, como PCA-SIFT [14] e SIFT Denso [8]. O SIFT Denso é um descritor que tem apresentado bons resultados nas tarefas de reconhecimento de cenas e objetos [8]. A principal diferença é que o SIFT Denso elimina a etapa de detecção de pontos e utiliza uma grade densa de pontos de interesse, por exemplo, todos os pixels da imagem ou uma grade que considera de 8 em 8 pixels. A Figura 1 ilustra um exemplo de grade densa em uma imagem onde cada círculo representa um ponto de interesse. Assim, cada ponto desta grade é descrito da mesma maneira que o SIFT por meio do gradiente da região vizinha.

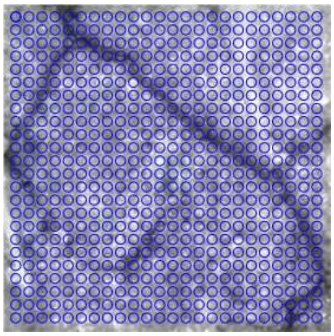


Figura 1. Exemplo de grade utilizada no SIFT Denso. Cada círculo representa um ponto de interesse na grade densa.

A grande vantagem do SIFT Denso é que os pontos de interesse cobrem toda a imagem. Dessa forma, o número de pontos depende exclusivamente da grade utilizada na imagem. Por exemplo, se todos os pixels forem considerados como pontos de interesse, para uma imagem com $w \times h$ pixels são obtidos $M = w \times h$ pontos de interesse.

### C. Speeded-UP Robust Features - SURF

O descritor SURF (*Speeded-UP Robust Features*), proposto por Bay *et al* [9], apresenta um algoritmo rápido e robusto para a extração de pontos de interesse em uma imagem. O SURF foi parcialmente inspirado no SIFT [7]. Entretanto, os autores consideram que o SURF apresenta pontos de interesse mais representativos além de ser mais rápido em comparação ao SIFT. Assim como o SIFT, o SURF busca descritores, que tenham como principais características: alta distintividade entre os descritores; invariância a escala, rotação, parcialmente a iluminação e variações 3D.

Ele pode ser descrito em 4 etapas muito semelhantes as encontradas no SIFT:

*1) Espaço de Escalas:* Para a detecção de pontos de interesse, o SURF utiliza o determinante da aproximação da matriz Hessiana. A matriz Hessiana $H(p_i, \sigma)$ para um determinado ponto $p_i = (x, y)$ de imagem com escala $\sigma$ é dada por convoluções da derivada parcial Gaussiana de segunda ordem nas direções horizontal, vertical e diagonal da imagem I no ponto $p_i$. Para otimizar o custo computacional, o SURF utiliza um conjunto de filtros de caixa $9 \times 9$ para a aproximação da derivada Gaussiana de segunda ordem, isto reduz o tempo de processamento e pode ser analisado com grande rapidez através da utilização de imagens integrais;

*2) Localização e eliminação de pontos:* Esta etapa é responsável pela obtenção da invariância a escala e eliminação de ruídos. Geralmente, a invariância a escala é obtida através de uma pirâmide de imagens em diversas escalas, como no SIFT.

No entanto, o SURF obtém através de um conjunto de filtros de caixa que aumenta de tamanho exponencialmente, para não perder informações intermediárias entre as escalas. Desta forma o SURF aplica uma supressão de não máximos em 3 dimensões pois, cada convolução por filtro gera uma matriz de resultados, sendo necessário obter valores de máximos dentro destas matrizes. O SURF também considera os valores das matrizes vizinhas, analisando os valores da primeira escala superior e da primeira escala inferior, quando um ponto de máximo é localizado, todos os outros valores são suprimidos. Ao final o SURF devolve localização espacial do ponto na imagem $(x_i, y_i)$, e a escala em que ele foi obtido $\sigma_i$;

*3) Definição da orientação dos pontos-chave:* Para garantir a invariância à rotação, identificam-se os pontos-chaves com uma orientação calculada a partir da resposta da Transformada *Haar wavelets* nas direções x e y em uma vizinhança circular centrada no ponto de interesse e de raio dependente da escala $\sigma$. As *wavelets* podem distinguir as características locais de um sinal em diferentes escalas e, por translações, elas cobrem toda a região na qual o sinal é avaliado. As respostas são plotadas em um espaço vetorial, e a orientação dominante do ponto é definida através da soma dentro de um segmento de $60°$, onde o maior vetor define a orientação atribuída ao ponto-chave;

*4) Descrição dos Pontos de Interesse:* Com a vizinhança definida, é realizada uma divisão que resulta em um quadrante de $4 \times 4$ sub-regiões, onde, para cada sub-região, é calculada as respostas da *Haar wavelets*. Para cada sub-região, calcula-se a soma das respostas $d_x$ e $d_y$ das *Haar wavelets*, conforme Equação 1:

$$v = (\sum d_x, \sum d_y, \sum |d_x|, \sum |d_y|) \tag{1}$$

Como 4 valores são calculados para cada uma das $4 \times 4$ sub-regiões, os descritores de cada ponto de interesse é composto por 64 valores. As respostas obtidas por *Haar wavelets* são invariantes a iluminação.

### D. Bag-of-Visual-Words - BOVW

O BOVW (*Bag-of-Visual-Words*) ou Histograma de Palavras Visuais é um algoritmo utilizado no campo de reconhecimento de imagens. Esta técnica extrai um histograma a partir da contagem das ocorrências de uma determinada palava visual na imagem. Uma palavra visual é um ponto médio que representa um grupo de pontos de interesse semelhantes [6], [15].

O algoritmo BOVW é composto pelos seguintes passos: detecção e descrição de pontos de interesse, criação do vocabulário e geração de um histograma. Cada um desses passos são descritos nas subseções abaixo.

*1) Detecção e Descrição dos Pontos de Interesse:* Em imagens, os pontos de interesse são pontos que se destacam e que podem ser utilizados em tarefas de reconhecimento. Em geral, estes pontos estão em regiões onde existe uma variação intensa dos níveis de cinza. Para encontrá-los e descrevê-los, descritores locais como SURF e o SIFT foram propostos. Estes algoritmos detectam e descrevem os pontos de interesse através de vetores numéricos contendo valores referentes a direção das variações que ocorrem ao redor do ponto.

Com a extração e descrição dos pontos de interesse, obtemos um conjunto $H$ de descritores locais que representa uma imagem $I$, como visto na Equação 2.

$$H_I = [h_1, h_2, ..., h_M]^T \in \Re^{M \times D}, \tag{2}$$

onde $M$ representa a quantidade de pontos de interesse encontrados na imagem e $D$ representa a dimensão dos descritores de cada ponto. A quantidade de pontos de interesse $M$ varia de imagem para imagem.

Na Figura 2 temos um exemplo de detecção de pontos de interesse através dos descritores SIFT e SURF.

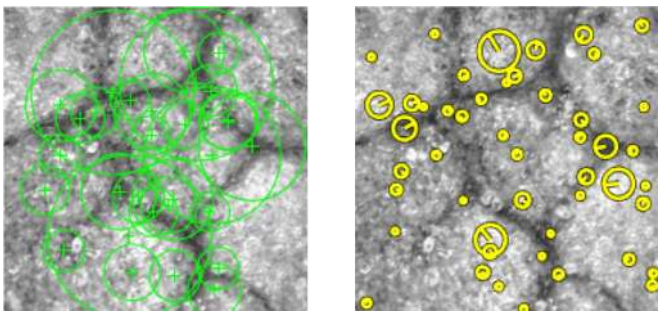


Figura 2. Exemplo de pontos de interesse detectados através dos descritores SURF (Verde) e SIFT (Amarelo).

*2) Criação do Vocabulário:* Esta etapa consiste em aplicar um algoritmo de agrupamento para a criação do vocabulário de palavras visuais. Após obter os pontos de interesse das imagens de treinamento, os mesmos são agrupados em um conjunto $D$ de descritores locais. Esse conjunto é formado pelos descritores locais de todas as imagens de treinamento (Equação 3).

$$D = [H_1, H_2, ..., H_n], \tag{3}$$

onde $n$ representa a quantidade de imagens de treinamento.

Para a construção do vocabulário, um algoritmo de agrupamento é utilizado para separar os descritores locais em grupos. Geralmente, o algoritmo usado é o *K-means* [16], por ser simples, intuitivo, produzir resultados fáceis de serem interpretados, além de ter complexidade linear. O *K-means* então é aplicado no conjunto de descritores locais $D$ para obter um conjunto de centroides $C$, conforme Equação 4:

$$C = \text{K-means}(D), \tag{4}$$

O centroide de cada grupo corresponde a média dos valores de todos descritores pertencentes aquele grupo. No *K-means* a principio os $K$ centroides são definidos aleatoriamente, em seguida cada descritor do conjunto de entrada é associado ao centroide mais próximo e por fim cada centroide tem seu valor atualizado pela média de todos os descritores associados ao seu grupo. Esse processo é feito até que o centroide tenha seu valor estabilizado ou o limite de iterações seja extrapolado.

Cada centroide $c_i \in C$ corresponde a uma palavra visual e o conjunto das palavras visuais $C$ formam o vocabulário visual. Dessa forma, é possível quantificar a frequência de palavras visuais presentes em uma determinada imagem.

*3) Geração do Histograma:* Na geração do histograma, cada ponto de interesse de uma imagem é rotulado com base no vocabulário de palavras visuais usando a distância Euclidiana. Em seguida, gera-se um histograma para a imagem com base nos pontos de interesse rotulados anteriormente. O histograma possui o tamanho do vocabulário de palavras visuais e cada posição representa a frequência em que cada palavra visual ocorre na imagem.

Na Figura 3 podemos visualizar cada passo do BOVW descrito acima.

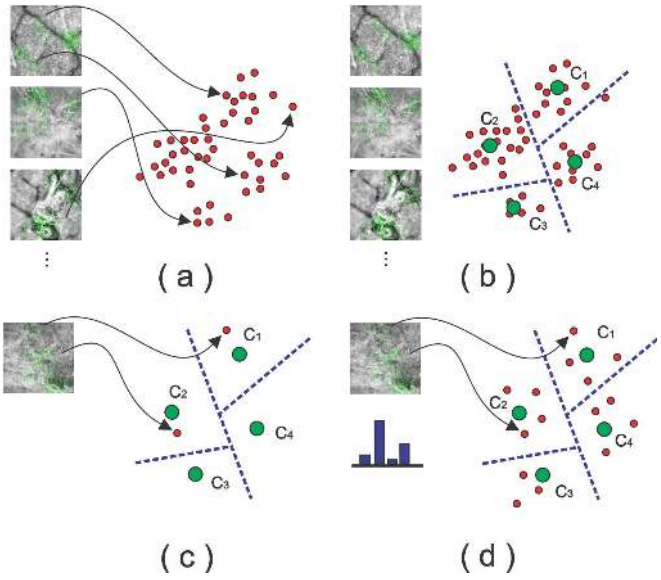



Figura 3. Imagem ilustrando os passos do algoritmo BOVW (a) Corresponde a detecção e descrição de pontos de interesse. (b) Corresponde a criação do vocabulário visual. (c) Apresenta a contagem de palavras visuais. (d) Corresponde a criação do histograma. Imagem baseada em [17]

## III. Experimentos e Resultados

Nesta seção, é descrito o banco de imagens utilizado e os resultados obtidos com os descritores locais SIFT, SURF e SIFT Denso aplicados no reconhecimento de doenças foliares na cultura da soja, bem como, uma comparação entre os descritores locais.

### A. Banco de Imagens

O banco de imagens é composto por quatro classes de imagens foliares de soja da cultivar *Potência BMX*, três delas com a presença de alguma doença e uma classe de folhas sadias. As três doenças foliares: antracnose, ferrugem asiática e míldio, são causadas por fungo. A ferrugem asiática é causada pelo fungo *Phakopsora pachyrhizie* e causa lesões circulares nas folhas. A antracnose é uma doença causada pelo fungo *Colletotrichum truncatum* e produz lesões nas nervuras das folhas, hastes e vagens das plantas. O míldio causa manchas criadas por camadas pulverulentas causada pelo fungo *Peronospora manshurica*, porém podem existir outras variações. Para cada classe foram capturadas 360 imagens microscópicas com 200 vezes de aproximação, totalizando 1.440 amostras. As amostras possuem dimensão de 200 $\times$ 200 pixels e foram convertidas para níveis de cinza. A Figura 5 mostra quatro exemplos de cada classe.

### B. Experimentos

As imagens tiveram seus descritores extraídos a partir dos métodos SIFT, SURF e SIFT Denso. O histograma de palavras visuais (BOVW) foi utilizado para formar o descritor final, com o tamanho do vocabulário de palavras $K$ variando de 100 a 1000 com incremento de 100. Na etapa de classificação foi utilizado o classificador Máquina de Vetores de Suporte (do inglês - *Support Vector Machine* – SVM), por ser um dos mais utilizados atualmente. O SVM foi utilizado por meio de validação cruzada, com 10 dobras [18].

### C. Resultados

O gráfico da Figura 4 apresenta a taxa de classificação correta obtida por cada descritor utilizando o BOVW com $K$ palavras visuais. Os três descritores apresentaram resultados similares, porém o descritor SIFT Denso se mostrou superior aos demais descritores comparados, alcançando seu pico com $K = 300$, onde obteve 85% de classificação correta, seguido dos descritores SURF e SIFT que obtiveram 83.33% e 81.94% respectivamente com $K = 900$.

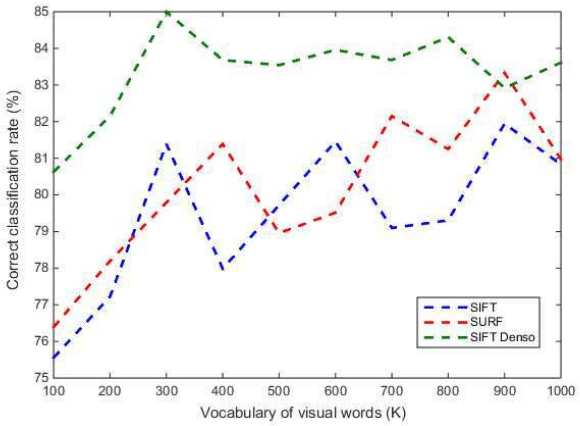
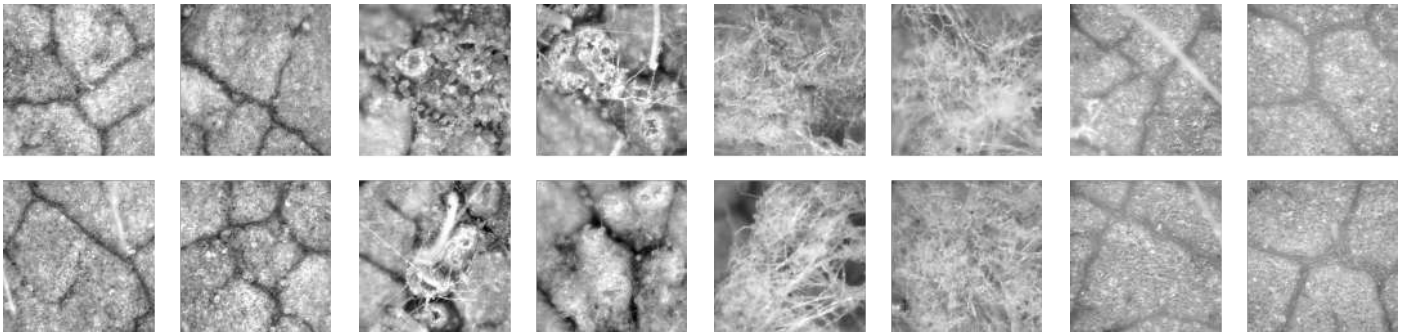



Figura 4. Taxa de classificação correta obtida pelos descritores SIFT, SURF e SIFT Denso usando o classificador *SVM*, com o vocabulário de palavras $K$ variando de 100 a 1000.

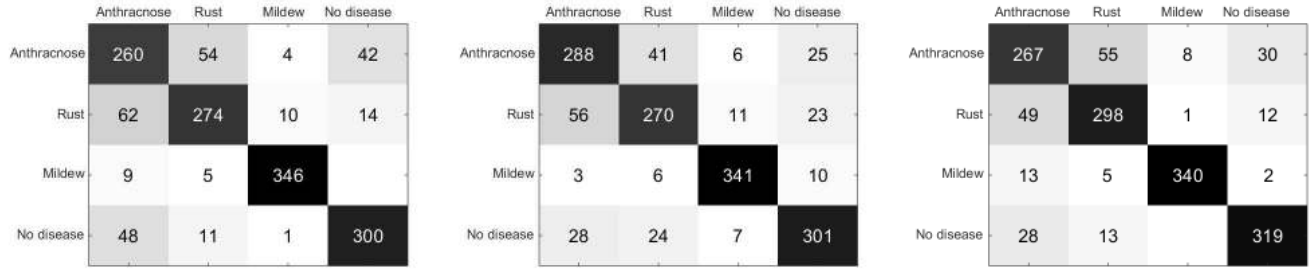
A Tabela I apresenta um resultado comparativo utilizando a melhor taxa de classificação correta obtida por cada descritor. Além da porcentagem de classificação correta, a tabela também apresenta o tamanho do vocabulário de palavras $K$, o desvio padrão e a medida-f, que são importantes na comparação. Como pode ser observado, o SIFT denso necessita de menos palavras visuais $K$ para alcançar o seu melhor resultado comparado com o SIFT e o SURF. Entretanto, o SIFT denso utiliza mais pontos de interesse na construção do vocabulário, pois detecta um ponto para cada pixel da imagem. Em média, o SIFT denso extrai 576 pontos para cada imagem, enquanto o SIFT e o SURF extraem 221 e 114 pontos, respectivamente. Com o uso de mais pontos no *K-means*, este representa mais adequadamente o vocabulário, sendo necessário, portanto, menos palavras visuais.

As matrizes de confusão para os descritores são exibidas na Figura 6. Nesta figura, uma técnica com bom desempenho é representada por uma matriz com a maioria dos seus valores na diagonal principal e poucos valores fora dela. Desse modo,



(a) Antracnose (b) Ferrugem (c) Mildio (d) Sadia

Figura 5. Conjunto de imagens composto por quatro classes de doenças. Uma delas é de folhas sadias e as outras três são doenças causadas por fungos.




(a) SIFT (b) SURF (c) SIFT Denso

Figura 6. Matrizes de confusão dos descritores SIFT, SURF e SIFT Denso, obtidas pelo classificador *SVM*.

Tabela I. RESULTADOS COMPARATIVOS ENTRE OS DESCRITORES SIFT, SURF E SIFT DENSO ATRAVÉS DO CLASSIFICADOR *SVM*. A TABELA APRESENTA O MELHOR RESULTADO PARA CADA TÉCNICA VARIANDO-SE A DIMENSIONALIDADE DO VOCABULÁRIO DE PALAVRAS $K$.

| Método | K | % (Desvio Padrão) | Medida-F |
|---|---|---|---|
| SIFT | 900 | 81.94 ($\pm$2.62) | 0.8200 |
| SURF | 900 | 83.33 ($\pm$1.79) | 0.8330 |
| **SIFT Denso** | 300 | **85.00** ($\pm$2.58) | 0.8504 |

podemos visualizar a superioridade do descritor SIFT Denso em relação aos demais. Também é possível observar que existe uma maior confusão entre as imagens pertencentes as doenças antracnose e ferrugem, devido a similaridade das suas imagens como pode ser observado na Figura 5.

Além disso, a Figura 7 apresenta a taxa de classificação correta dos descritores comparados em relação a cada classe de doença foliar. Assim, podemos observar que utilizando os descritores SIFT e SIFT Denso, a classe antracnose apresentou o pior resultado, com 72.22% e 74.16%, respectivamente. Com o descritor SURF, a classe ferrugem apresentou a menor acurácia, alcançando 75%. Também, podemos perceber que a classe mildio alcançou a maior taxa de classificação correta, para todos os descritores comparados nesse trabalho, com 96.11%, 94.72% e 94.44%, para os descritores SIFT, SURF e SIFT Denso, nessa mesma ordem.

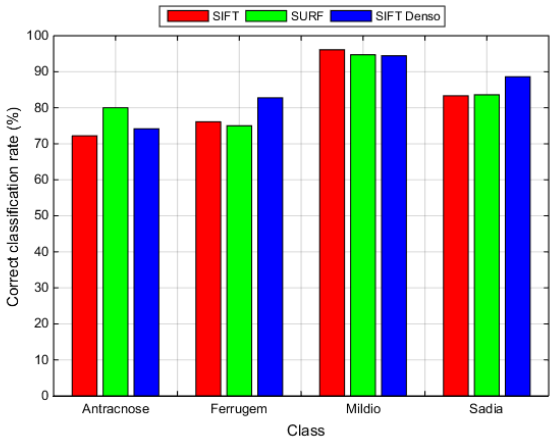



Figura 7. Taxa de classificação correta para cada classe de doença foliar, obtida pelos descritores de características SIFT, SURF e SIFT Denso usando o classificador *SVM*.

## IV. CONCLUSÃO

Este trabalho apresentou uma comparação entre descritores locais aplicados no reconhecimento de doenças foliares na cultura da soja. Os descritores SIFT, SURF e SIFT Denso foram utilizados para detectar e descrever pontos de interesse na imagem, em seguida, o método BOVW foi utilizado para combinar os pontos de interesse em um histograma de palavras visuais devido a sua popularidade na comunidade de visão computacional. As características extraídas foram classificadas pelo classificador SVM.

Com os resultados podemos concluír que o descritor SIFT Denso obteve o melhor resultado em identificar doenças foliares na cultura da soja, alcançando uma acurácia de 85.00%,

seguido dos descritores SURF e SIFT, com 83.33% e 81.94%, respectivamente. Além disso, a doença mildio obteve uma taxa de reconhecimento muito satisfatória utilizando qualquer um dos descritores comparados, com 96.11%, 94.72% e 94.44%, para os descritores SIFT, SURF e SIFT Denso, respectivamente. Por outro lado, a doença antracnose obteve uma acurácia de 72.22% e 74.16%, para os descritores SIFT e SIFT Denso, sendo a doença menos reconhecida dentre as pertencentes a base de imagens.

Em trabalhos futuros, o objetivo é incluir novos descritores nas comparações realizadas (e.g HOG, LBP, PHOW). Também pretende-se realizar uma análise do desempenho computacional dos descritores. Da mesma forma, pretende-se validar os descritores em novas bases de imagens, por exemplo, em imagens capturadas a partir de câmeras digitais. Além disso, pretende-se incluir métodos que exploram informações espaciais do algoritmo BOVW como pirâmides espaciais.

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Original papers

# Local descriptors for soybean disease recognition

Rillian Diello Lucas Pires [a], Diogo Nunes Gonçalves [a], Jonatan Patrick Margarido Oruê [a], Wesley Eiji Sanches Kanashiro [a], Jose F. Rodrigues Jr. [b], Bruno Brandoli Machado [a,b], Wesley Nunes Gonçalves [a,*]

[a] Federal University of Mato Grosso do Sul, Rua Itibire Vieira, s/n, Ponta Pora, MS 79907-414, Brazil
[b] University of Sao Paulo, Av. Trabalhador Sancarlense, 400, Sao Carlos, SP 13566-590, Brazil

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ABSTRACT

The detection of diseases is of vital importance to increase the productivity of soybean crops. The presence of the diseases is usually conducted visually, which is time-consuming and imprecise. To overcome these issues, there is a growing demand for technologies that aim at early and automated disease detection. In this line of work, we introduce an effective (over 98% of accuracy) and efficient (an average time of 0.1 s per image) method to computationally detect soybean diseases. Our method is based on image local descriptors and on the summarization technique Bag of Visual Words. We tested our approach on a dataset composed of 1200 scanned soybean leaves considering healthy samples, and samples with evidence of three diseases commonly observed in soybean crops – Mildew, Rust Tan, and Rust RB. The experimental results demonstrated the accuracy of the proposed approach and suggested that it can be easily applied to other kinds of crops.

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## 1. Introduction

Soybean is one of the most important crops due to its beneficial effects on human health, to its role as a major nutrition source, and to its economic importance. It has been widely used in food and industrial applications because of its high protein and oil concentrations (Kumar et al., 2010). Soybean occupies very large crops in which the monocropping and conservation tillage are commonly used. Such cultivation systems, however, have favored the occurrence of a large number of diseases (Carmona et al., 2015) causing major economic losses. The solution is to apply preventive agrochemicals; but, because the identification of where the infestation took place is time-consuming, the usual practice is to use agrochemicals over the entire crop instead of only over specific subareas. This is an expensive practice that spreads unnecessary chemicals over terrain and air.

Accordingly, a more precise detection of the disease spots in the crop is an important step to decrease economic losses, to prevent the spread of diseases, and to reduce environmental pollution. Despite its importance, it is usually conducted visually by an expert (Moshou et al., 2004), an imprecise and time-consuming process, especially when carried out over large-scale farms. Alternatively, disease detection techniques based on chemical reactives are available, such as the ELISA (enzyme-linked immunosorbent assay) method and the PCR (polymerase chain reaction) method (Saponari et al., 2008; Yvon et al., 2009; Gutiérrez-Aguirre et al., 2009), however, they are expensive processes. Consequently, there is a demand for rapid and cheaper detection methods.

In this context, one active line of research is the use of image processing techniques. The idea is to have the computer analyze images of soybean leaves (and of other cultures) to detect diseases by means of pattern recognition methods. Gui et al. (2015), for example, proposed a method for soybean disease detection based on *salient regions* and *k-means clustering*. Shrivastava and Hooda (2014) proposed a method for detecting *brown spot* and *frog eye*, two common soybean diseases; they used shape features and *k-nearest neighbors classification*. Ma et al. (2014) proposed a technique for detecting insect-damaged vegetable soybean using *hyperspectral imaging*. A study to discriminate soybean leaflet shape using *neural networks* was proposed in the work of Oide and Ninomiya (2000). Yao et al. (2012) used *hyperspectral images* to study the damage caused by the herbicide glyphosate on soybean plants. Cui et al. (2010) reported image processing techniques for quantitatively detecting rust severity from soybean multispectral images.

Besides soybean, other cultures have been studied in the literature, such as the work performed by Rumpf et al. (2010), which presents an automatic system for classification of foliar sugar beet

* Corresponding author.
*E-mail address:* wesley.goncalves@ufms.br (W.N. Gonçalves).

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diseases based on *Support Vector Machines* and *spectral vegetation indices*. Moshou et al. (2004) investigated the automatic recognition of yellow rust in wheat using *reflectance measurements* and *neural networks*. Liu et al. (2010) applied techniques *neural network* and *principal components analysis* for classifying fungal infection levels in rice panicles. Imaging techniques are also applied in the recognition of plant species (Gonçalves and Bruno, 2013; Casanova et al., 2012; Backes et al., 2010). A review of techniques for detecting plant diseases can be found in the work of Sankaran et al. (2010); a survey on methods that use digital image processing techniques to detect plant diseases is presented in the work of Barbedo (2013).

This paper proposes a novel approach for soybean disease recognition based on techniques *local descriptors* and *bag-of-visual words*. We experiment with five local descriptors (SURF, HOG, DSIFT, SIFT, and PHOW, as detailed in Section 3) applied over a large set of digital images (gray scale and colored) acquired from a real-world soybean plantation in Brazil. The proposed approach is applied to scanned images (visible spectrum to the human eye), which does not require hyperspectral images and, therefore, can be used with commodity hardware such as smartphones. From the extracted features, we calculate a summary (lower-dimensional) feature vector using technique *bag of visual words* (BOVW).

The use of local descriptors is attractive because they are distinctive, robust to occlusion, and do not require segmentation. Due to these advantages, several local descriptors have been proposed in the literature. Scale-invariant feature transform (SIFT) (Lowe, 2004) is one of the most used and known local descriptors. Due to its good performance, SIFT was later applied at dense grids, known as Dense SIFT (Vedaldi and Fulkerson, 2010; Liu et al., 2011), and at multiscale dense grids, known as Pyramid histograms of visual words (PHOW) (Bosch et al., 2007). SIFT also inspired other local descriptors such as Speeded-up Robust Features (SURF) (Bay et al., 2008), which uses some approximations to achieve better performance. Histogram of oriented gradients (HOG) (Dalal and Triggs, 2005) has also been widely used and has shown interesting results, especially in pedestrian recognition. The reader may refer to the work of Mikolajczyk and Schmid (2005) for a review of local descriptors applied over images in general.

For classification purposes – considering classes *disease* and *no disease*, we use the supervised machine learning technique Support Vector Machine (SVM) having as input the BOVW vectors. We evaluate our classification using classic ten-fold cross-validation and the metric *Correct Classification Rate* (CCR). In our experiments, descriptor PHOW, over colored images, achieved the highest performance. Therefore, we contribute by (i) introducing a systematic method for computational identification of diseases in soybean leaves; (ii) conducting an experiment over soybean that is unprecedented in its control, methodology, and scale; (iii) empirically comparing the main local descriptors found in the literature, providing guidance for future works on image-based classification.

The rest of this paper is organized as follows. Section 2 describes the fundamentals of bag-of-visual-words. The five local descriptors evaluated in this work are described in Section 3. Section 4 details the experimental design and the image dataset of soybean leaves, while Section 5 describes the results of the proposed approach. Finally, Section 6 concludes the paper and suggests future works.

## 2. Bag-of-visual-words – BOVW

The bag-of-visual-words (BOVW) (Csurka et al., 2004) is a popular model for image recognition inspired by the bag-of-words (BOW) used in natural language processing. According to BOVW, descriptors are extracted from images in order to build a vocabulary of visual words. Given the vocabulary, each descriptor of an image is assigned to one visual word and then a histogram of visual word occurrences is obtained to represent the image. Basically, this model can be described in the following steps (Fig. 1):

(1) *Feature extraction:* in the first step, a local descriptor (such as SIFT or SURF) is applied to the images to extract a set of descriptors that are important to recognition tasks. For an image $I$, a set $D_I = [d_1, \ldots, d_N]$ is composed by $N$ descriptor vectors $d_i \in \Re^M$, where $M$ is the dimension that depends on the local descriptor method. The $N$ vector descriptors can be extracted from salient regions by detecting keypoints or in a dense grid of the image. Keypoints are locations of interest in an image; they are invariant to linear transformations and are able to boost description techniques. We use the SIFT keypoint detection (Lowe, 2004). Fig. 1(a) illustrates the feature extraction step.

(2) *Vocabulary construction:* given $P$ training images, we build a set with $P$ descriptors $D = [D_{I_1}, \ldots, D_{I_P}]$, so that $D$ contains information from all training images. To build the visual vocabulary, a clustering algorithm is applied for grouping $D$ such that descriptors in the same cluster are more similar to each other than to those in other clusters. Each cluster summarizes similar regions of the images by a single mean vector called centroid. In the bag-of-visual-words, the centroid is also called visual word. The most common clustering algorithm is the k-means (Kanungo et al., 2002) due to its simplicity and computational cost. The k-means partitions the descriptor set $D$ into $k$ groups by minimizing the Euclidean distance between descriptors. Thus, $k$ visual words $C = [c_1, \ldots, c_k], c_i \in \Re^M$ composes the visual vocabulary. This step is illustrated in Fig. 1(b).

(3) *Histogram of visual word occurrence:* given an image $I$, its descriptor set $D_I = [d_1, \ldots, d_N]$, and the visual vocabulary $C = [c_1, \ldots, c_k]$, we build a histogram $h_I \in \mathbb{N}^k$ with $k$ bins, one for each visual word. Then, each descriptor $d_i \in D_I$ is assigned to the bin whose visual word is the closest to $d_i$ according to the Euclidean distance. An example of this step can be seen in Fig. 1(c). An example of this step can be seen in Fig. 1(c).

## 3. Local descriptors

This section briefly describes the local descriptors used by our method for soybean disease recognition. We use gray-scale images and the local descriptors are applied in sub-regions of the leaf images, suggesting the use of local methods. Several methods for generating local descriptors have been reported in the literature and can be used as a previous step, such as selective search (Uijlings et al., 2013), objectness (Alexe et al., 2012), category-independent object proposals (Endres and Hoiem, 2014), constrained parametric min-cuts (CPMC) (Carreira and Sminchisescu, 2012), and multi-scale combinatorial grouping (Arbeláez et al., 2014).

### 3.1. Scale-invariant feature transform – SIFT

Scale-invariant feature transform – SIFT (Lowe, 2004) is one of the most important local descriptors. Basically, SIFT detects keypoints at multiple scales and extracts a local descriptor for each keypoint that is invariant to uniform scaling, translation, rotation and partially invariant to illumination changes. SIFT can be described in the three steps below.

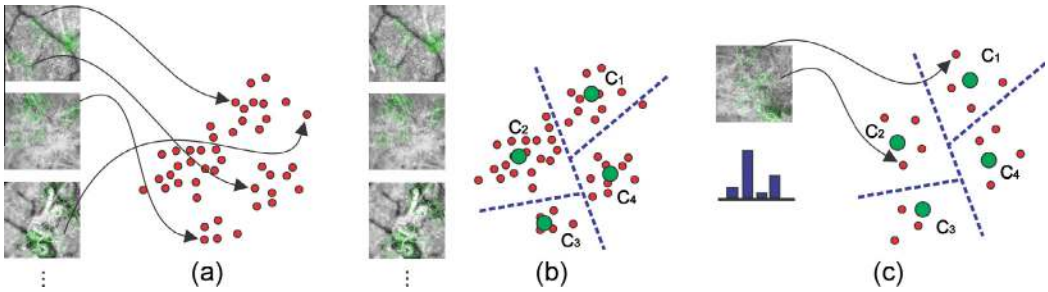



**Fig. 1.** Illustration of the bag-of-visual-words steps. (a) First, a local descriptor is applied to the images to identify keypoints and extract the descriptor vectors. (b) Then a clustering algorithm is applied to the descriptor vectors in order to obtain visual words. (c) Finally, a histogram of visual word occurrences is calculated by assigning each descriptor vector to one visual word of the vocabulary.

(1) *Scale-space and keypoint localization:* the first step is to convolve the image with Gaussian filters at different scales. Given an image $I$ and a Gaussian filter $G$, the convolved image can be obtained by $L(x,y,\sigma) = I(x,y) \otimes G(x,y,\sigma)$, where $\otimes$ is the convolution operator and $\sigma$ is the standard deviation related to the scale. In order to detect keypoints in the image, the difference of successive Gaussian-smoothed images separated by a constant $k$ is calculated:

$$D(x,y,\sigma) = L(x,y,k\sigma) - L(x,y,\sigma). \quad (1)$$

The Difference of Gaussians – DoG is performed in different octaves of the image in a Gaussian pyramid. Keypoints are identified as local maxima and minima in $D(x,y,\sigma)$ by comparing each point to its eight neighbors in the current image and nine neighbors in the scale above and below. If the point is larger or smaller than all of these neighbors, then it is selected as a keypoint. The keypoints are refined by rejecting points with low contrast or poorly located along an edge.

(2) *Orientation assignment:* to achieve invariance to rotation, it is assigned one or more orientations to each keypoint based on the local gradient directions. For the Gaussian-smoothed image $L(x,y,\sigma)$ at the keypoint scale of $\sigma$, considering gradient $m(x,y)$ (Eq. (2)) and orientation $\theta(x,y)$ (Eq. (3)), it is calculated a neighborhood around the keypoint location.

$$m(x,y) = \sqrt{(L(x+1,y) - L(x-1,y))^2 + (L(x,y+1) - L(x,y-1))^2} \quad (2)$$

$$\theta(x,y) = \tan^{-1}\frac{L(x,y+1) - L(x,y-1)}{L(x+1,y) - L(x-1,y)} \quad (3)$$

An orientation histogram with 36 bins covering 360° is built from the neighborhood gradient orientations. Each point added to the histogram is weighted by its gradient magnitude. The orientations of the keypoint are given by the peaks of this histogram.

(3) *Keypoint descriptor:* the two previous steps assign a location, scale and orientation to the keypoints. This step computes a descriptor vector for each keypoint to describe the local region. First, the image gradient magnitudes and orientations are calculated around the keypoint. To achieve rotation invariance, the gradient orientations and coordinates are rotated with respect to the keypoint orientation calculated in the previous step. Then a $4 \times 4$ grid centered at the keypoint is placed over the image (the size of the grid is related to the keypoint scale) and an orientation histogram with 8 directions is calculated for each of the 16 grids. Finally, the keypoint descriptor is a vector $d \in \Re^{128}$ that concatenates the orientation histogram of each of the 16 grids. The keypoint descriptor is normalized to unit length, then a threshold of 0.2 is applied to reduce the influence of large gradient magnitudes, and finally it is renormalized to unit length. Fig. 2(d) shows an example of SIFT applied in a soybean leaf.

### 3.2. Dense scale-invariant feature transform – DSIFT

SIFT is a sparse local descriptor since it consists of both feature detection and extraction. On the other hand, dense scale-invariant feature transform – DSIFT (Vedaldi and Fulkerson, 2010; Liu et al., 2011) extracts SIFT descriptors in a dense grid of the image (e.g., every 8 pixels). Thus, DSIFT assumes that all pixels or a grid of them are keypoints of the image. To describe the keypoints, DSIFT considers a fixed region around them, such as $16 \times 16$ pixels. Fig. 2 (a) and (b) shows an example of SIFT and DSIFT applied to a soybean leaf. SIFT detects and describes keypoints while DSIFT considers each pixel as a keypoint in order to describe them.

The advantage of SIFT compared to DSIFT is that the entire image is used for feature extraction, although the number of descriptors is generally greater than that of SIFT. On the other hand, the steps for detecting keypoints are not necessary according to the DSIFT method.

### 3.3. Pyramid histograms of visual words – PHOW

Pyramid histograms of visual words – PHOW (Bosch et al., 2007) is a variant that applies DSIFT at multiple scales. While DSIFT extracts descriptors using a fixed region around each keypoint on the grid, PHOW extracts multiple descriptors for a keypoint using increasingly larger square regions as shown in Fig. 2(c). In this figure, a keypoint is characterized by three descriptors, one for each scale. Here, we have used four scales as suggested by authors Bosch et al. (2007). Due to the multiple scales, PHOW describes images at different scales better than DSIFT.

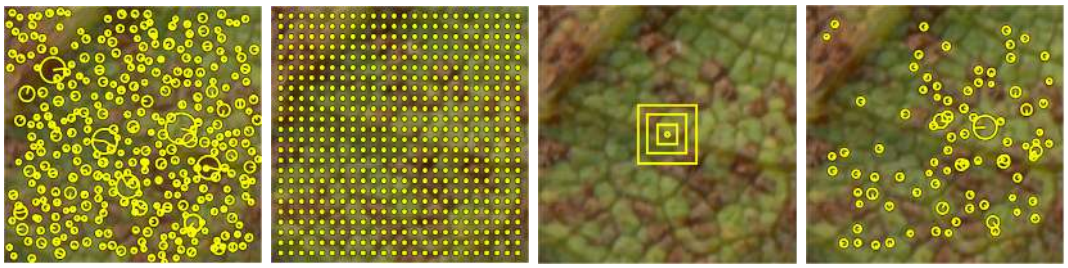
### 3.4. Speeded-Up robust features – SURF

Speeded-Up Robust Features – SURF (Bay et al., 2008) is a local descriptor partly inspired by SIFT. By using integral images and approximations, SURF can be computed faster than SIFT. The keypoints and descriptors can be obtained using the following steps.

(1) *Keypoint localization:* this step uses a basic Hessian-matrix approximation, which uses integral images to reduce computational time. Given a pixel $(x,y)$ in an image I, the Hessian matrix $\mathcal{H}(x,y,\sigma)$ in $(x,y)$ at scale $\sigma$ is defined as

$$\mathcal{H}(x,y,\sigma) = \begin{bmatrix} L_{xx}(x,y,\sigma) & L_{xy}(x,y,\sigma) \\ L_{xy}(x,y,\sigma) & L_{yy}(x,y,\sigma) \end{bmatrix} \quad (4)$$

where $L_{xx}(x,y,\sigma)$ is the convolution of the Gaussian second order derivative $\frac{\delta^2}{\delta x^2} g(\sigma)$ over a given image $I$ at pixel $(x,y)$;



(a) SIFT (b) DSIFT (c) PHOW (d) SURF

**Fig. 2.** Example of SIFT, DSIFT, PHOW and SURF applied to a soybean leaf. SIFT and SURF detect and describe keypoints, while DSIFT and PHOW extract a descriptor at each grid region of the image. Unlike DSIFT, PHOW uses multiple scales, which are related to the region around the keypoints.

similarly for $L_{xy}(x, y, \sigma)$ and $L_{yy}(x, y, \sigma)$. Since the convolutions $L_{xx}, L_{xy}, L_{yy}$ are costly to calculate, SURF discretizes the Gaussian second order derivative $\frac{\partial^2}{\partial x^2} g(\sigma)$ using box filters. The box filters make efficient convolution through integral images (Bay et al., 2008).

The approximated determinant of the Hessian matrix represents the blob response at location $(x, y)$ and scale $\sigma$. The greater the blob response, the greater the importance of the pixel in the image. The responses are calculated over several scales using boxes of different sizes, and a non-maximum suppression in a $3 \times 3 \times 3$ neighborhood is applied in order to localize keypoints.

(2) *Orientation assignment:* to be invariant to image rotation, SURF assigns a reproducible orientation for each keypoint. To this end, Haar wavelet responses are calculated in $x$- and $y$-directions within a circular neighborhood of radius $6s$, where $s$ is the keypoint scale. Again, these responses can be calculated efficiently with the use of integral images. The wavelet responses are represented as points in a 2-dimensional space with the $x$-direction response in the abscissa and the $y$-direction in the ordinate. The horizontal and vertical responses within sliding windows of size $\frac{\pi}{3}$ are summed, forming a local orientation vector for each window. The largest vector of all windows defines the orientation of the keypoint.

(3) *Keypoint descriptor:* the keypoint descriptor is obtained from a square region with size $20s$ centered around the keypoint and oriented along the keypoint orientation. The square region is split into $4 \times 4$ sub-regions, and for each sub-region, a vector $v$ with four values is calculated:

$$v = [\sum dx, \sum |dx|, \sum dy, \sum |dy|] \quad (5)$$

where $dx$ and $dy$ are, respectively, the wavelet response in the $x$- and $y$-directions computed at $5 \times 5$ regularly spaced sample points. Finally, the keypoint descriptor is composed by concatenating each of 16 sub-region vectors $v$, thereby forming a single vector with 64 values. Fig. 2(d) shows an example of the SURF applied to a leaf image.

### 3.5. Histogram of oriented gradients – HOG

The histogram of oriented gradients (HOG) (Dalal and Triggs, 2005) is a feature descriptor first proposed for pedestrian detection in images. Basically, it decomposes the image into a dense grid of cells, computes a histogram of oriented gradients in each cell, and normalizes the histogram using the overlapping local contrast of its cells. This descriptor can be described in three steps:

(1) *Gradient computation:* the first step is the computation of gradient values using a 1-D centered derivative mask in both horizontal and vertical directions using masks $[-1, 0, 1]$ and $[-1, 0, 1]^T$. The authors evaluated other complex masks (e.g., cubic-corrected, $3 \times 3$ Sobel and $2 \times 2$ diagonal masks), but they decrease performance in object detection tasks.

(2) *Spatial/orientation binning:* the second step divides the image into rectangular cells and, for each one, calculates an edge-oriented histogram. The bins of the histogram are evenly spaced over 0–180° and each pixel contributes with a weighted vote for the edge-oriented histogram based on its gradient. Dalal and Triggs (2005) found that 9 bins perform the best.

(3) *Normalization and descriptor block:* for better invariance to illumination and contrast, the gradient strengths are locally normalized by grouping cells into blocks. The blocks overlap, which means that a cell belongs to more than one block. Following the original work, we have used rectangular blocks (R-HOG blocks), $2 \times 2$ cell blocks of $8 \times 8$ pixels cells. To normalize each histogram, let $v$ be a non-normalized vector composed by concatenating all histograms of a given block. Then, the concatenated histogram is normalized by $v' = v/\sqrt{||v||_2^2 + e^2}$, where $e$ is a regularization term. The normalized vector $v'$ is the descriptor calculated at the dense grid of the image.

## 4. Material and methods

### 4.1. Experimental design

The plant experiment was done in four fields of the Phytopathology Department of the Federal University of Grande Dourados (UFGD), Brazil. The crop evaluated was soybean [Glycine max (L.) Merr.] of BMX Potencia RR® (BRASMAX).

The density of the soybean fields was of about 300,000 plants $ha^{-1}$. For all fields, 320 kg $ha^{-1}$ of N-P-K (02-23-23) were applied in-furrow immediately before sowing. No N-fertilizer was applied in any field. The experimental design was a completely randomized block with four replicates. Each plot had 50 rows, spaced by 0.5 m, with 50 m (width) × 25 m (length) (1250 $m^2$). Plots were separated by at least 10 m, where small terraces of approximately 5 m width were built to prevent contamination by superficial run-off containing bacteria or fertilizer, which could occur due to heavy rains that commonly occur in the summer season. We did not use herbicides in three fields out of four. For one field, herbicides were used in order to have samples with no disease, while insects were controlled with biological and chemical insecticides.

In Dourados (22°22′S and 54°80′W) the fields are at an altitude of 600 m and the soil is classified as Latossolo Vermelho Distrófico (Brazilian classification), or as Typic Haplustox (Soil Taxonomy, USDA). The climate is classified as tropical with dry winter and wet summer.

### 4.2. Image sampling

Plant leaves were randomly collected in three different stages: V4 – forth trifoliate, V5 – fifth trifoliate and R1 – blooming stage. At the V4 and V5 stages, nine plants were randomly collected per plot for evaluation of leaf diseases, especially those related to fungi. At stage R1, nine plants were collected for evaluation. Sampled material was split in the trifoliates of the growing stage. For this region of Brazil, two classes of diseases are commonly found: mildew and soybean rust. Soybean rust is caused by the fungus Phakopsora pachyrhizi Sydow & Sydow. During collection, we created groups of leaves classified according to two types of color lesions: Rust TAN and Rust RB. TAN lesions are tan in color, and RB refers to reddish-brown lesion color (Bonde et al., 2006). The RB lesion type is considered a resistant lesion type when compared to a fully susceptible TAN lesion (Miles et al., 2007). Furthermore, RB lesions are not sparsely sporulating uredinia.

After sampling the crops, the collected leaves went through a digital image acquisition, as illustrated in Fig. 3. The idea consists three parts: (1) scanning of leaves, (2) texture sample picking, and (3) set of texture samples. Digital images were acquired by scanning each leaf.

In this study, we used a scanner model HP Scanjet 1200, at 1200 dpi resolution, with images generated in tiff format. For each sampling of the plant stage, nine images were collected. From each leaf scanning, a specialist manually spotted $200 \times 200$ windows recognized as evidence of disease. We selected 300 windows of each disease (Mildew, Rust RB and Rust Tan), totalizing 900 sub images. Another 300 were collected from the healthy plants. Such sub image windows were saved without file compression. Therefore, the image dataset is composed of 1200 samples divided into four classes, three of them attacked by fungi and one without diseases.

## 5. Experiments and discussion

In this section, we describe experiments and results obtained with the use of local descriptors and BOVW. In the classification step, we have used the Support Vector Machine – SVM classifier using stratified 10-fold cross-validation. This methodology is well-accepted in machine learning and artificial intelligence. In the stratified 10-fold cross-validation, the images of the dataset are partitioned into 10 folds ensuring that each fold has the same proportion of each class. Then, one fold is used for testing while the remaining folds are used for training the SVM classifier. The process is repeated 10 times using each fold exactly once. Finally, the Correct Classification Rate (CCR) corresponds to the average of the 10-rounds execution.

### 5.1. Local descriptor comparison

We have compared the local descriptors using different numbers of $k$ visual words, as presented in Fig. 4. As can be seen in the figure, local descriptor PHOW overcame the other local descriptors for all values of $k$. SIFT and DSIFT also performed well with a CCR nearly of 90%. On the other hand, HOG and SURF showed the worst performance with CCRs around 80% and 70%, respectively.

Table 1 shows the best CCR for each local descriptor and its respective number of visual words $k$. Comparing dense local descriptors, PHOW, DSIFT, and HOG provided, respectively, 96.25%(±1.53), 90.00%(±1.76), and 80.00%(±3.04) for 3500, 2000, and 1000 visual words. For sparse local descriptors, SIFT and SURF achieved 93.66%(±2.58) and 71.25%(±3.50) using, respectively, $k = 3500$ and 500.

To better visualize the performance of each descriptor, Fig. 5 presents the confusion matrices for the best configuration of visual words. We can observe that, for all the local descriptors, Rust RB and Rust TAN diseases are the most imprecise, while Mildew was classified more accurately. As described previously, PHOW has shown a good characterization of soybean diseases, especially for classes Mildew and Healthy. Despite the superiority to other descriptors, PHOW wrongly classified 13 images of Rust RB as Rust TAN and 21 images of Rust TAN as Rust RB.

### 5.2. Color local descriptor

In order to improve the characterization of soybean diseases, this section presents the results obtained by the application of PHOW to color images. We have chosen this local descriptor since it provided the best performance as shown in the previous section. For color images, PHOW is applied to each channel of the color space and the descriptors are concatenated to form a single descriptor with color information. Then, BOVW is applied in the same way as before.

Fig. 6 shows the results of descriptor PHOW applied to color spaces RGB, HSV, and Opponent color spaces (van de Sande et al., 2010) using different values of $k$. As it can be seen, the three PHOW color variants improved the CCR compared to the PHOW grayscale variant. Comparing only color variants, PHOW-HSV and PHOW-Opponent have shown similar results, and superior results if compared to PHOW-RGB. These results demonstrate that HSV and Opponent color spaces are better suited to represent color, which is important for the analysis of leaves. In addition, it is worth to note that, using only 50 visual words, PHOW-HSV provided 96.42 (±1.62), an excellent result with fewer features.

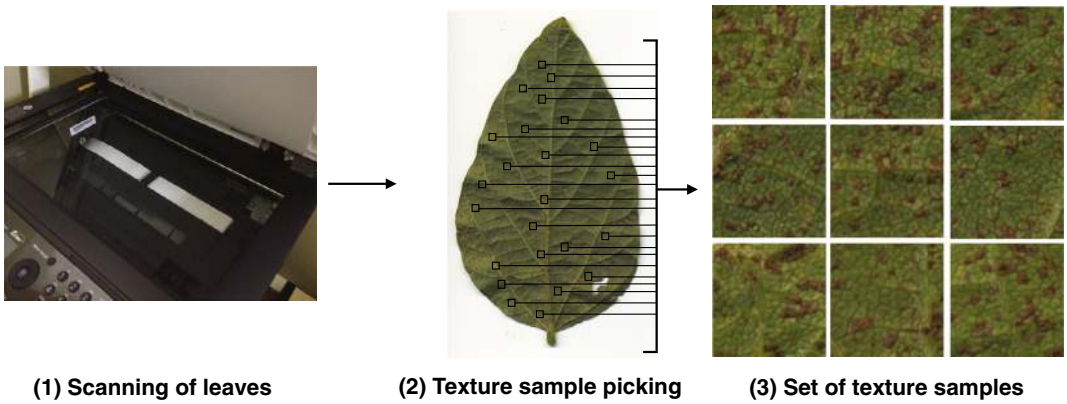



**Fig. 3.** Image acquisition procedure adopted in this study. Four classes compose our image dataset.

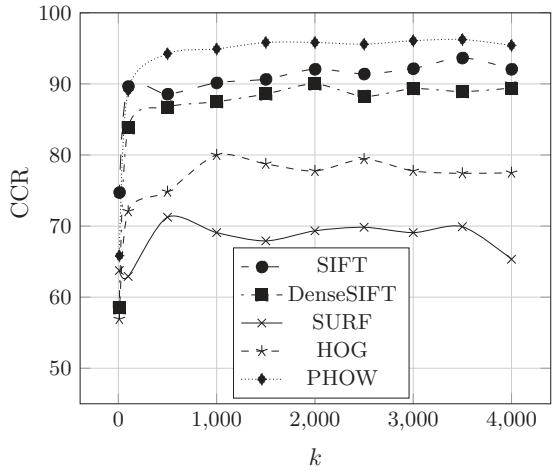



**Fig. 4.** CCR obtained by the five local descriptors using different values of *k*.

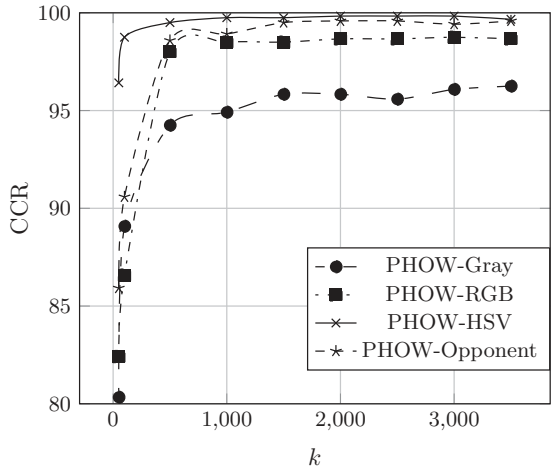



**Fig. 6.** CCR obtained by the three PHOW color variants using different values of *k*.

**Table 1**
Best CCRs obtained by each local descriptor and its respective number of visual words.

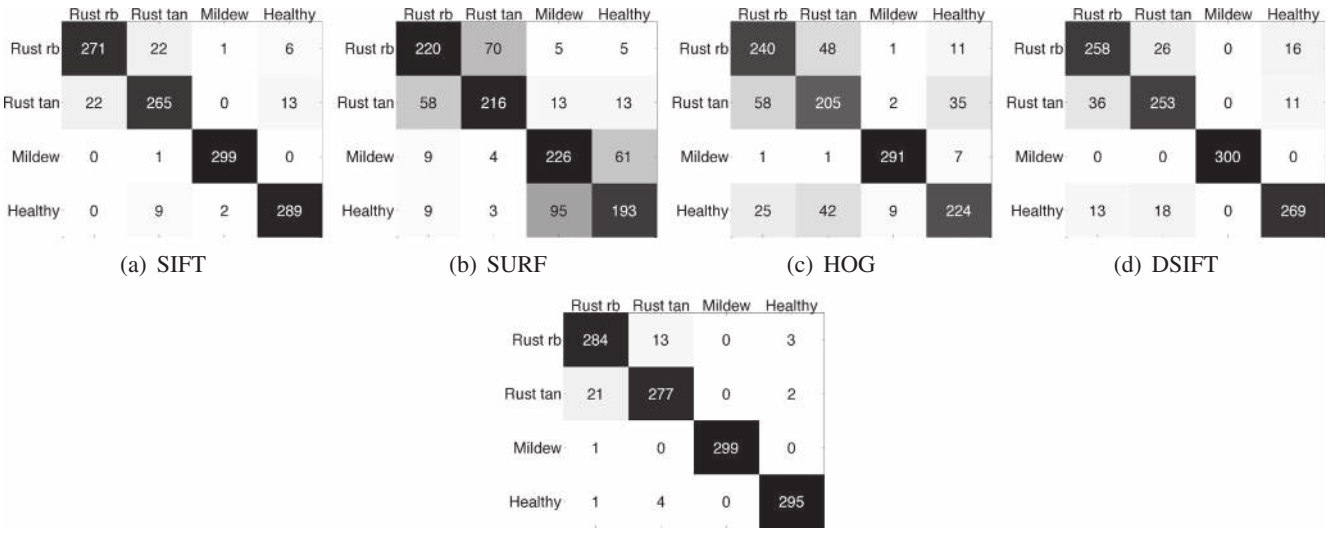
| Local descriptor | *k* | CCR | F-measure |
|---|---|---|---|
| SURF | 500 | 71.25(±3.50) | 0.71(±0.03) |
| HOG | 1000 | 80.00(±3.04) | 0.80(±0.12) |
| DSIFT | 2000 | 90.00(±1.76) | 0.90(±0.07) |
| SIFT | 3500 | 93.66(±2.58) | 0.94(±0.05) |
| PHOW | 3500 | 96.25(±1.53) | 0.96(±0.03) |

**Table 2**
Experimental results related to the application of PHOW to each channel of the RGB, HSV, and Opponent color spaces.

| Local descriptor | *k* | CCR | F-measure |
|---|---|---|---|
| PHOW-Gray | 3500 | 96.25(±1.53) | 0.96(±0.03) |
| PHOW-RGB | 3000 | 98.75(±0.98) | 0.99(±0.01) |
| PHOW-HSV | 2000 | 99.83(±0.35) | 1.00(±0.00) |
| PHOW-Opponent | 2000 | 99.58(±0.44) | 1.00(±0.00) |

Table 2 summarizes the best results obtained by each PHOW variant. The best performance of 99.83(±0.35) was obtained by PHOW-HSV followed by PHOW-Opponent, then PHOW-RGB, and PHOW-Gray with 99.58(±0.44), 98.75(±0.98), and 96.25(±1.53), respectively. We can also observe that PHOW-Gray requires more visual words than the color variants to achieve better accuracy. Using 2000 visual words, PHOW-HSV and PHOW-RGB achieved their best result while PHOW-Gray required 3500 visual words. These results corroborate the improvement to soybean disease characterization using color.

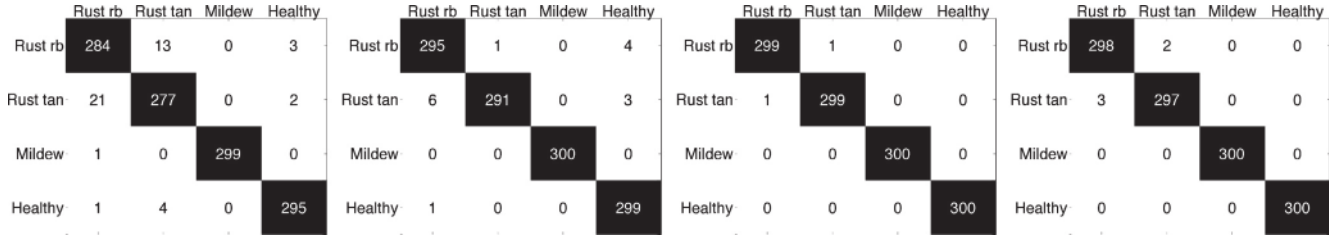
The confusion matrices for the PHOW color variants are shown in Fig. 7. As one can see, the three PHOW color variants improved the characterization of soybean diseases. PHOW-HSV and PHOW-Opponent missed only two and five samples of *Rust TAN* and *Rust RB* diseases, respectively. These excellent results are corroborated by the scatter plots of Fig. 8. In these plots, the features extracted using the best configuration of visual words are projected into a two-dimensional space using Principal Component Analysis (Fukunaga, 1990). We can observe that Healthy and Mildew are better represented by all PHOW color variants. Due to the similarity of the samples, Rust RB and Rust TAN are spatially close in the projected space, although they can be effectively discriminated using PHOW color variants.




(a) SIFT (b) SURF (c) HOG (d) DSIFT

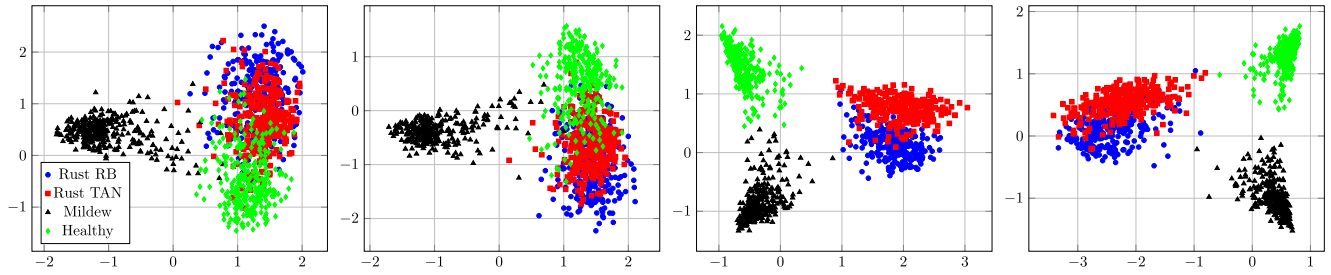
(e) PHOW

**Fig. 5.** Confusion matrices of each local descriptors using the best configuration of visual words. The main diagonal corresponds to the number of accurately classified leaves.




(a) PHOW-Gray (b) PHOW-RGB (c) PHOW-HSV (d) PHOW-Opponent

**Fig. 7.** Confusion matrices of each color variant of descriptor PHOW using the best configuration of visual words.




(a) PHOW-Gray (b) PHOW-RGB (c) PHOW-HSV (d) PHOW-Opponent

**Fig. 8.** Features of each PHOW color variant projected using Principal Component Analysis into a two-dimensional space.

### 5.3. Computational cost

In this section, we show the wall-clock time, in seconds, to compute the local descriptors. The experiments are performed on an Intel Core i5 1.3 GHz with 4 GB of RAM running OSX 10.9.5. The time was measured only for the stages of keypoint detection and extraction, excluding the time spent on secondary steps, such as image reading. The values correspond to the mean and standard deviation calculated for 1,200 images of $200 \times 200$ pixels.

In our experiments, HOG was the fastest, taking $0.0043(\pm 0.001)$ s to process each image. As expected, SURF with an average time of $0.011(\pm 0.016)$ s was faster than SIFT with as average of $0.064(\pm 0.011)$. Regarding dense local descriptors, DSIFT and PHOW performed with an average time of $0.134(\pm 0.001)$ and $0.143(\pm 0.006)$ seconds per image, respectively. In general, all local descriptors perform in an acceptable running time.

## 6. Conclusion

Soybean disease detection is an important process to decrease economic losses in agriculture, and to reduce environmental pollution due to the excessive use of agrochemicals. Answering to this demand, we proposed a new approach for automated detection of soybean diseases. We used image local descriptors and Bag of Visual Words (BOVW) to define a methodology able to computationally represent images of soybean leaves, while maintaining visual information regarding potential diseases. Our experiments compared the use of 8 local descriptor variants using an image dataset composed of 1200 leaves. We considered healthy leaves and leaves infected by diseases Mildew, Rust Tan, and Rust RB.

The experimental results showed that the use of local descriptors, together with the BOVW technique, were effective (over 98% of accuracy) and efficient (an average time of 0.1 s per image) in the task of computationally detecting soybean diseases. These results showed that descriptor PHOW provided the best result, followed by descriptors SIFT and DSIFT. We found out that descriptor PHOW works better for color spaces if compared to the gray scale, reaching correct classification rates ranging from 96.25% (±1.53) to 99.83 (±0.35). Due to the generality of the method, we believe it can be applied to other crops, such as cotton or wheat.

The proposed approach can be employed as a tool to guide users, such as farmers and non-experts, so to identify diseases in soybean crops. In practice, the user can scan leaves with a commodity cell phone directly in the soybean crop and apply the proposed approach. In the future, the images may be automatically obtained with a scanner embedded in agricultural machinery, or in unmanned aerial vehicles.

As part of the future work, we plan to evaluate other steps of the BOVW, such as the vocabulary construction and the feature coding. We also consider investigating diseases in their early stages and measuring their severity.

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# Team Description Paper: UFMS – TuiuiuTroniks

Guilherme Afonso Bento Mello, Manuel Arn, Rillian Diello Lucas Pires, Igor Santo Andréa Visioli, Lougan Eliakim Santos de Queiroz, Edson Takashi Matsubara (guilhermello@gmail.com, m_arn@hotmail.com, rilliansf@gmail.com, Igor@santoandrea.com.br, lougan_2@hotmail.com, edsontm@facom.ufms.br)

***Abstract*—This paper describes the development of two robots made with LEGO Mindstorms NXT's pieces for one oil spill disaster simulation. Programmed in NXC (Not eXactly C) language, simple functions were created doing the complex structural environment. An arena simulates an area of oil spill, where two robots must be build and repair the tubing and restart the system, draining the oil to the new tubing.**

## I. INTRODUCTION

The environment has been a cause for concern in recent years. Many studies are carried out aiming to reduce and minimize the impact caused mainly by human activities.

One of the various human activities of greatest concern is oil leakage from pipelines and tubing in general; governments and many oil companies are making significant efforts to prevent and control such accidents. For this type of work, the use of robots is essential, because the environment is very dangerous or of difficult access for humans, and this requires a great deal of precision in the work. Thus, robot prototypes were built using LEGO NXT pieces, which perform the task cooperatively to assemble a path to drain the oil. The set of LEGO components is practical and flexible in terms of its assembly, and does not need painting or lubricants; it is ecological, since it is made of recyclable plastic, does not emit pollutants, and, mainly, using its pieces, robots can be assembled following a precise geometry.[1] Aiming at the simplification and execution of the task, an environment for oil drainage and containment was designed. This environment has fixed blocks in the arena that represent the oil transmission points, fixed pipelines that represent the old tubing, and movable blue pipelines that allow the construction of an alternative route to drain the oil.

Within the environment, there is a pair of robots equipped with sensors to detect displacements and movements, as well as the detection of the presence of the pipeline and a tool to support it.

First, a description of the simulated environment will be given, followed by the assembly strategy and programming structure, and communication between both robots. Finally, the conclusions obtained from the construction and development of the robots.

Manuscript submitted on September 13, 2010. This work was supported by FACOM (School of Computing) and by LIA (Artificial Intelligence Laboratory, which sponsored and provided financial support). Thanks also go to BATLAB (Artificial Intelligence, Power Electronics, and Digital Electronics Laboratory) for providing temporary workspace.

## II. DESCRIPTION OF THE SIMULATED ENVIRONMENT

With the main pipeline damaged, oil spillage is occurring into the environment, and the supply is interrupted. As a result, fines from the Government occur due to the damage to the environment and very high financial losses due to the lack of supply. The robots' challenge is to reestablish order, prevent the oil spill, and restore the supply, incurring the minimum fine and avoiding greater losses. [2]

Assuming an oil spill situation, an arena was designed representing the reduced environment as shown in Figure 1 below, where the black pipeline represents the defective tubing, the green pipelines represent the fixed tubing, the blue pipelines are the tubing to build the alternative route, red boxes are oil transmission points, and two of them allow or do not allow the transmission of oil through open/close valves, two orange blocks represent tubing bends, and two yellow points represent the starting area and the damaged pipeline storage area.

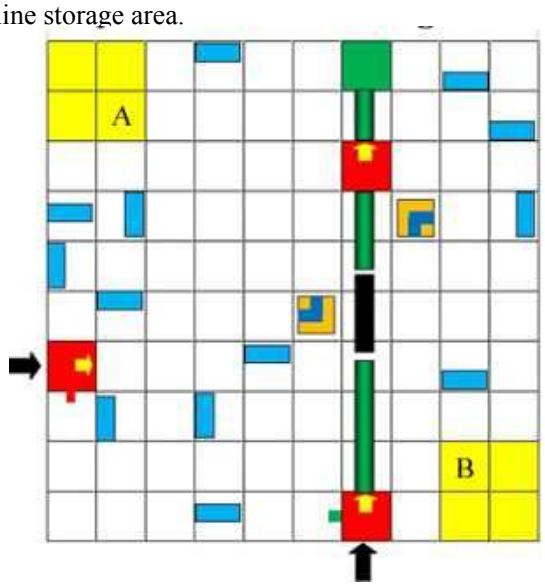



Figure 1. Representation of the arena in its initial state.

### A. The Scenario - Arena

The arena scenario was built using 15 mm thick MDF (Medium Density Fiberboard) wood, in a rectangular shape with a width of 2200 mm and a length of 2200 mm. Scenario and walls in matte white color.

The arena is subdivided into a 10x10 matrix with 19 mm black 3M® insulating tape, in such a way that each square

has dimensions of 200x200 mm², as shown in Figure 2; each square is referred to as a "cell."

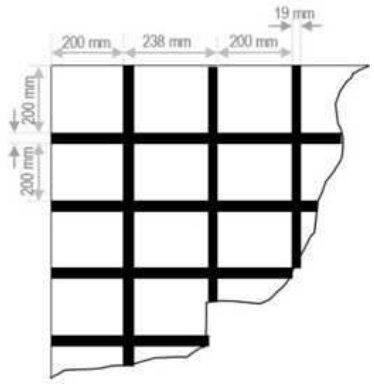



Figure 2. Representation of the subdivision of the arena [CBR 2010].

The pipelines were built with 50 mm diameter, 200 mm long PVC (Polyvinyl Chloride) pipes, painted blue. There are three green-colored pipelines of different lengths, which are fixed: 200 mm, 300 mm, and 500 mm. The damaged pipeline, painted black, is 300 mm long. At the ends of each pipeline, styrofoam supports were placed to prevent them from rolling within the arena. Pipelines are represented with the dimensions shown in Figure 3 below, for the blue, green, and black ones alike.

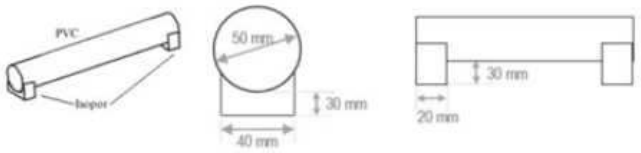



Figure 3. Pipeline dimensions

There is also the "movable block," built of styrofoam, which represents a bend in the tubing. Its upper part is orange in color, followed by a blue 'L'-shaped curve, which identifies the direction of flow. It has the shape of a cube with 150 mm sides.

*B. Rules*

Before the round begins, the robots are placed in the yellow area of the arena (starting point) and may only be removed from the arena after the round is concluded or at the moment of competing. The robots must not be interfered with while competing, only when permitted by the judges and organizers, in the case of an evident mechanical problem.

An evident mechanical problem includes the case of a "deadlock," when there is the detachment of a part, sensor, actuator, or any difficulty that prevents the normal progress of the robot and that can be corrected within the arena.

The robots must be autonomous; that is, they must work without human interference, and the robots may interact with each other by any means, Bluetooth, infrared, etc.

The maximum time for completion of the task is five minutes. Other penalties occur due to the time of oil leakage into the environment and the time without oil flow at the other end of the pipeline; furthermore, the damaged pipeline must be deposited in the yellow area.

## III. CONSTRUCTION OF THE ROBOTS

The robots were built exclusively for the proposed task. The material used was pieces from the LEGO Mindstorms NXT kit. This kit includes, in addition to the basic pieces for construction, sensors and motors (servo-actuators), as well as the brick, the tool used for programming and control of the assignments and other functions of the robots. The sensors work as the eyes and arms of the robots, in order to identify an obstacle or recognize when they should pick up the pipelines, in addition to allowing movement within the arena.

Two robots were built to solve the task, such that one of the robots is located in part 'A' of the arena and the other in part 'B' of it, located within the yellow area, at the start of the task execution. The two robots have different structures and strategies for working within the arena; however, the objective of both is to build alternative tubing to drain the oil and remove the defective pipeline.

The strategy for selecting the robots' initial arrangement is due to the fact of supporting greater mass on the "claw" and due to its construction, since the black-colored pipeline is the heaviest among the movable pipelines. In this way, "Octano" is positioned on side 'B' of the arena and "Pentano" on side 'A'; Figure 4 below shows the designed "claws" and their physical structure, respectively.

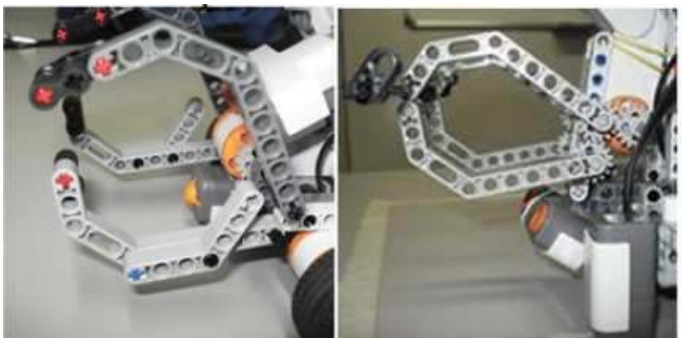


Figure 4. Claws of Octano (left) and Pentano (right)

Ultrasound sensors were positioned close to the robots' claws in order to more easily detect the presence of the pipeline instead of recognizing it by color, which, depending on the lighting, can often vary considerably in pipeline recognition. Another feature present in both robots is the line counter, which uses a color sensor (RGB reader – Red, Green, Blue), and is also used for movement within the arena, where other colors formed by the contributions of the RGB components are recognized, such as yellow, black, and white, as shown in Figure 5.



Figure 5. Positioning of the color sensors for movement in the Octano and Pentano robots.

In Octano, the color sensors are located on the left and right sides of the robot, at the same height in relation to the ground and symmetrical on opposite sides. In Pentano, on the other hand, the sensor is positioned on the right side of the robot, recognizing the slight variation in coloring and thus correcting the motor's route within the cells.

A. Octano

The procedure for "grabbing" the pipeline is carried out with the aid of the ultrasound sensor, which detects it at a distance of less than 150 mm, with considerable precision in real time, applying the first procedures, which are to reduce the travel speed and check the proximity of the "claw" to the pipeline; if the distance is less than 80 mm, the robot stops the travel motors and activates the "front claw" (servo-motor), securing the pipeline. After lifting the pipeline, the "front claw" force is reduced, keeping the pipeline raised and secure, allowing the robot to move freely.

The color sensors (RGB) positioned on the sides of the robot recognize the colors and dictate the robot's positioning within the cell, and are located approximately 15 mm from the ground. A magnetic field identification sensor, as shown in Figure 6, was positioned on the upper part, in such a way as to cause the minimum interference necessary, allowing the robot to move with considerable precision, and a light sensor, which detects the black stripes to count the cells; in this way, the robot maps and knows exactly where it is located within the arena.



Figure 6. Magnetic field sensor, positioned on the upper part of the robot.

At the rear of the robot, a claw was designed in such a way as to fit the "curve block," which secures it between the side flaps, allowing it to be moved in such a way that it does not shift beyond what is needed to fulfill the objective.



Figure 7. Positioning of the "rear claw" and the arrangement of the claw's flaps.

B. Pentano

Unlike Octano, Pentano identifies the pipeline through the ultrasound sensor at about 80 mm or less, thereby switching off the servo motors responsible for movement and activating the "claw"; this corresponds to and works in the same manner as Octano, reducing the force of the claw's servo motor when raised off the ground, allowing the robot to move around the arena.

The color sensors positioned on the right side, shown in Figure 5 and Figure 4, are responsible for locating the robot within the cell and within the arena, identifying exactly where the robot is located.

Pentano was also fitted with a touch sensor, positioned at the rear, together with a guide system that allows movement of the rear part, as shown in Figure 8, enabling transport of the "curve block" and also allowing it to recognize the valve to be activated, which allows or does not allow the oil to flow through the constructed tubing.

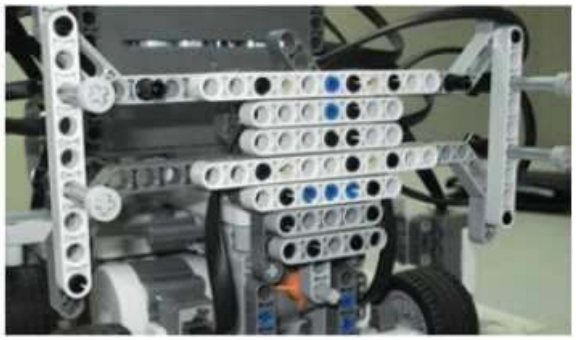


Figure 8. System of movable guides located at the rear of Pentano that allows movement of the movable block and activation of the oil flow valve.

## IV. PROGRAMMING OF THE ROBOTS

The intention of generating greater precision in the robots' mechanical movements has a direct bearing on the programming [2] [3], which becomes complex due to having various control variables influencing the system.

Communication between the robots is fundamental for the synchronism of the tasks performed and is a complicating factor of the system, since many reasons can cause interference, thus resulting in loss of information. All the sensors and actuators (servo-motors) are connected to the brick, a simple programmable processor, which monitors and controls sensors and motors, making decisions based on the information obtained. The programming is sent to the brick by means of a USB (Universal Serial Bus) cable, connected to the programming computer. [1]

Each brick can control up to four sensors and three actuators. Since four sensors and three actuators were associated with each of the robots, it was not necessary to add another brick to the robots. However, another brick was added to the Pentano robot solely as a counterweight, thereby allowing rotation around its center of mass, shifting it with the mass of the brick itself.

The greatest challenge of programming the pair of robots lies in the synchronization of the movements in relation to their positioning in the arena. It is important to point out that communication between the bricks is carried out via Bluetooth, so it is not necessary for them to be aligned for transmission and reception of the signal, but this must not exceed 10 meters in the exchange of messages.

There are many languages in which the LEGO NXT brick can be programmed, including NXC (Not eXactly C) [4], JAVA [5], and it can even be programmed using learning software blocks designed by LEGO. With the aim of developing structured programming with theoretical grounding, but not limited to it, NQC was chosen. Just as there are many programming languages that LEGO Mindstorms supports, there are also many pieces of software that allow these to be developed, and due to having a very user-friendly interface and offering many templates and

models, 'Bricx Command Center 3.3' was chosen, which is also very popular in LEGO robotics competitions.

For carrying out the task, especially with regard to communication, a master-slave relationship was used between the robots. This allows for greater autonomy, enabling not only communication but also the positioning of the robots in the arena, allowing for the release of space over the course of the task's completion.

When activated, the robots wait for a period before executing the first task, which, in Octano's case, refers to the fact of removing the blue pipeline that obstructs its path and subsequently removing the black pipeline and picking up the styrofoam "curve block," which are located in part 'B' of the arena, as in Figure 1. Meanwhile, the Pentano robot, located in part 'A' of the arena, must initially move to activate the valve, shutting off the oil spill into the environment, and then plan the alternative route for the oil flow through the tubing, positioning itself to trace the shortest possible path, in order to reduce the period without oil flow in the circuit. Both robots communicate via Bluetooth, knowing exactly the position of one in relation to the other; in this way, while the Pentano robot removes the "curve block" from Octano's route, the latter can assist in the assembly of the upper part of the alternative route, and subsequently the Pentano robot opens the valve and lets the oil flow through the constructed tubing. For this initial programming, the flowchart below, in Figures 8 and 9, faithfully represents the programmed sequence for the Pentano and Octano robots, respectively.

With the robots working in the master-slave system, the Pentano robot sends Octano the message that "Task" (control variable) equals '1' for each task that is executed, and in this way the Octano robot stores and increments it; when the number of "Tasks" equals a certain number, Octano sends a message of routine completion, which in turn causes the Pentano robot (initially positioned in half-plane 'A') to activate the valve, releasing the oil flow through the tubing, concluding the task.

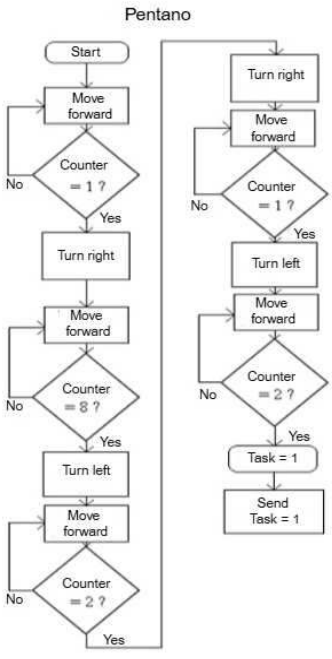



Figure 8. Flowchart of the Pentano robot's initial program.

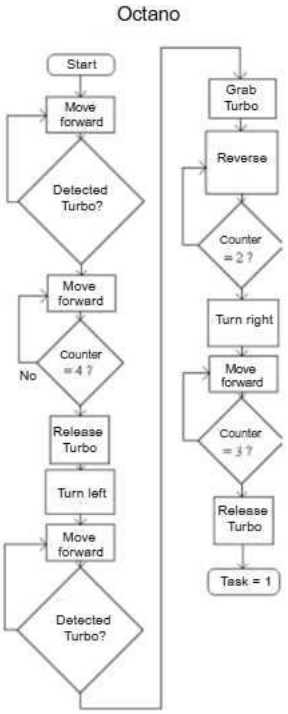



Figure 9. Flowchart of the Octano robot's initial program.

## V. CONCLUSIONS

Using LEGO NXT prototypes, it can be seen that the handling of oil pipelines can be made safer and more achievable for human beings. In addition, this simulation, it allows one to perceive the risks of errors to which the project is subject, leaving it open for modifications and corrections, changes toward its success, before physical development. This contributes to risk control and resource expenditure.

It can also be seen that LEGO is a very interesting and practical tool for risk and complication analysis, often making it possible to correct these.

It was also observed that the use of the master-slave system for communication and localization of the robots within the arena facilitated synchrony and allowed for the completion of the task. The physical part, despite the robots having different structures, proved to be efficient, responding accurately to the programming developed.

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**I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**

Marina Viana

**Date: September 8, 2026**

# Team Description Paper: UFMS – TuiuiuTroniks

Guilherme Afonso Bento Mello, Manuel Arn, Rillian Diello Lucas Pires, Igor Santo Andréa Visioli, Lougan Eliakim Santos de Queiroz, Edson Takashi Matsubara (guilhermello@gmail.com, m_arn@hotmail.com, rilliansf@gmail.com, Igor@santoandrea.com.br, lougan_2@hotmail.com, edsontm@facom.ufms.br)

***Abstract*—This paper describes the development of two robots made with LEGO Mindstorms NXT's pieces for one oil spill disaster simulation. Programmed in NXC (Not eXactly C) language, simple functions was created doing the complex structural environment. An arena simulates an area of oil spill, where two robots must be build and repair the tubing and restart the system, draining the oil to the new tubing.**

## I. Introdução

O meio ambiente tem sido motivos de preocupação nos últimos anos. Muitos estudos são realizados visando reduzir e minimizar o impacto causado principalmente pelas atividades do homem.

Uma das várias atividades dos homens de maior preocupação é o vazamento de óleo dos dutos e tubulações em geral, os governos e muitas companhias petrolíferas buscam grandes esforços para prevenir e controlar acidentes.

Para este tipo de trabalho é essencial o uso de robôs, porque o ambiente é muito perigoso ou de difícil acesso para o homem e isto requer muita precisão no trabalho. Então, foram construídos protótipos de robôs utilizando peças de LEGO NXT, que realizam a tarefa em cooperatividade a fim de montar um caminho para escoar o óleo. O conjunto de componentes LEGO é prático e flexível quanto à sua montagem, e não precisa de pintura ou lubrificantes, ecológico, pois é feito de plástico reciclável, não emite poluentes e principalmente, utilizando suas peças, pode-se montar robôs seguindo uma geometria precisa.[1] Visando simplificação e execução da tarefa, foi projetado um ambiente para escoamento e contenção de óleo. Este ambiente conta com blocos fixos na arena que representam os pontos de transmissão do óleo, dutos fixos que representam a tubulação antiga e dutos azuis móveis que permitem a construção de uma rota alternativa para escoar o óleo.

Dentro do ambiente há uma dupla de robôs equipada com sensores para detectar os deslocamentos e movimentos, assim como a detecção da presença do duto e uma ferramenta para suportar o mesmo.

Primeiramente será feita a descrição do ambiente simulado, seguido da estratégia de montagem, estruturação da programação, comunicação entre ambos os robôs. Por fim as conclusões obtidas da construção e desenvolvimento dos robôs.

Manuscrito submetido dia 13 de setembro de 2010. Este trabalho foi apoiado pela FACOM (Faculdade de Computação) e pela LIA (Laboratório de Inteligência Artificial, cujo qual patrocinou e suporte financeiro). E agradecer ao BATLAB (Laboratório de Inteligência Artificial, Eletrônica de Potência e Eletrônica Digital) que ofereceu seu espaço temporariamente para trabalhar.

## II. Descrição do ambiente simulado

Com o duto principal danificado, está ocorrendo derramamento de petróleo no meio ambiente e o fornecimento está interrompido. Com isso, ocorrem multas do Governo pelos danos ao meio ambiente e perdas financeiras altíssimas pela falta de suprimento. O desafio dos robôs é reestabelecer a ordem, evitar o derramamento de petróleo e retornar o abastecimento, recebendo o mínimo de multa e evitando perdas maiores. [2]

Supondo uma situação de vazamento de óleo foi projetada uma arena representando o ambiente reduzido como apresentada na figura 1 abaixo, onde o duto preto representa a tubulação com defeito, os dutos verdes a tubulação fixa, os dutos azuis que são as tubulações a construir a rota alternativa, caixas vermelhas são pontos de transmissão de óleo e as duas delas, permitem ou não a transmissão do óleo através de válvulas de abre/fecha, dois blocos alaranjados que representam curvas de tubulação e dois pontos amarelos área de partida e depósito de dutos estragados.

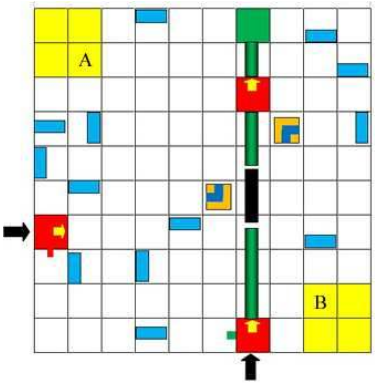



Figura 1. Representação da arena em estado inicial.

### A. *O Cenário - Arena*

O cenário da arena foi construído utilizando madeira do tipo MDF (*Medium Density Fiberboard*) de 15 mm de espessura, no formato retangular com largura de 2200 mm e comprimento de 2200mm. Cenário e as paredes na cor branca fosco.

A arena é subdivida em uma matriz 10x10 com fita isolante preta 3M® de 19 mm, dessa maneira cada quadrado

tem 200x200 mm² de dimensão, como representada na figura 2, cada quadrado deste é chamado de casa.

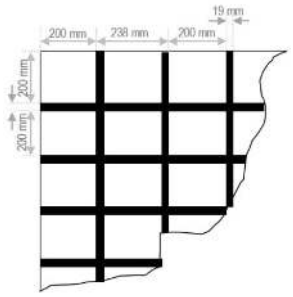



Figura 2. Representação da subdivisão da arena [CBR 2010].

Os dutos foram construídos com PVC (*PolyVinyl Chloride*) de 50 mm de diâmetro e 200 mm de comprimento pintados na cor azul. São três dutos na cor verde de comprimentos diferentes e são fixos: 200 mm, 300 mm e 500 mm. O duto danificado pintado na cor preta possui 300 mm de comprimento. Nas extremidades de cada duto foram colocados apoios de isopor para evitar rolamento dos mesmos dentro da arena. Dutos são representados nas dimensões como na figura 3 abaixo, tanto para os azuis como para os verdes e o preto.

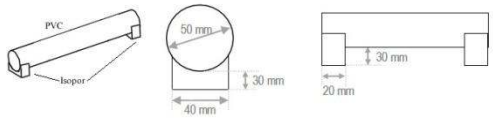



Figura 3. Dimensionamento dos dutos

Há também o 'bloco móvel' construído de isopor que representa curva na tubulação. Em sua parte superior apresenta a cor alaranjada, seguida de uma curva em 'L' azul, que identifica o sentido do fluxo. Formato de um cubo de 150 mm de lado.

### *B. Regras*

Antes de iniciar a rodada, os robôs são colocados na área amarela na arena (ponto de partida) e só poderão ser retirados da arena depois de concluída rodada ou no momento de competir. Não se deve interferir nos robôs enquanto compete, apenas quando permitida pelos juízes e organizadores, no caso de problema mecânico evidente.

Problema mecânico evidente encaixa-se o caso de '*dead lock'*, quando há o desprendimento de uma peça, sensor, atuador, ou qualquer dificuldade que impeça o progresso normal do robô e possa ser corrigido no interior da arena.

Os robôs devem ser autônomos, ou seja, devem trabalhar sem a interferência do homem e os robôs podem interagir entre si por quaisquer meios, *Bluetooth*, infravermelho, etc.

O tempo máximo para conclusão da tarefa é de cinco minutos. Outras penalidades ocorrem por tempo de vazamento de óleo no meio ambiente e por tempo sem escoamento de óleo na outra ponta do duto, além do duto danificado, deve ser depositado na área amarela.

## III. CONSTRUÇÃO DOS ROBÔS

Os robôs foram construídos exclusivamente para a tarefa proposta. O material utilizado foi peças de kit LEGO Mindstorms NXT. Neste kit inclui, além das peças básicas para construção, sensores e motores (servo-atuadores), além do *brick*, ferramenta utilizada para programação e controle das atribuições e demais funções dos robôs. Os sensores trabalham como olhos e braços dos robôs, de forma a identificar um obstáculo ou reconhecer quando deve apanhar os dutos, além de permitir o descolamento dentro da arena.

Dois robôs foram construídos para solucionar a tarefa, de modo que um dos robôs localiza-se na parte 'A' da arena e outro na parte 'B' da mesma, localizados dentro da área amarela, no início da execução da tarefa. Os dois robôs têm estruturas e estratégias diferentes de trabalhar dentro da arena, contudo o objetivo de ambos é construir tubulação alternativa para escoar o óleo e retirar o duto defeituoso.

A estratégia de selecionar disposição inicial dos robôs deve-se ao fato de suportar maior massa na 'garra' e pela construção da mesma, pois o duto na cor preta é o mais pesado dentre os dutos móveis. Desta forma, o 'Octano' posiciona-se do lado 'B' da arena e 'Pentano' do lado 'A', na figura 4, abaixo, mostram as 'garras' projetadas e sua estrutura física, respesctivamente.



Figura 4. Garras do Octano (esquerda) e Pentano (Direita)

Sensores de ultrassom foram posicionados próximos as garras dos robôs de maneira a detectar mais facilmente a presença do duto ao invés de reconhecê-lo pela cor, que por muitas vezes dependendo da luminosidade pode variar bastante no reconhecimento do duto. Outra característica presente em ambos os robôs é o contador de linhas, onde se utiliza de sensor de cor (leitor RGB – *Red, Green, Blue*), e também para movimentação dentro da arena, onde são reconhecidas outras cores formadas pelas contribuições das componentes do RGB, como amarelo, preto e branco, como apresentados na figura 5.

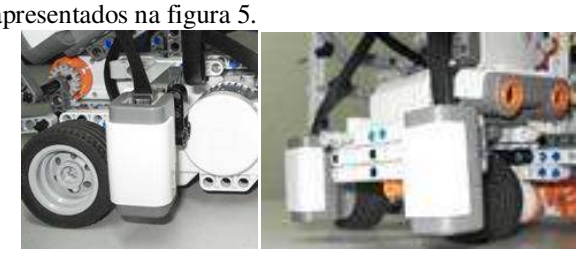


Figura 5. Posicionamento dos sensores de cor para movimentação nos robôs Octano e Pentano.

No Octano os sensores de cor localizam-se do lado esquerdo e direito do robô, a mesma altura em relação ao solo e simétrico do lado oposto. Já no Pentano, o sensor está posicionado do lado direito do robô, reconhecendo a pequena variação de coloração e desta forma corrigindo a rota do motor dentro das casas.

### A. *Octano*

O procedimento para 'agarrar' o duto é realizado com auxílio do sensor de ultrassom que o detecta a uma distância inferior a 150 mm, com bastante precisão em tempo real, aplicando os primeiros procedimentos que são reduzir a velocidade de deslocamento e verificar a proximidade da 'garra' para com o duto, caso a distância seja inferior a 80 mm, o robô pára os motores de deslocamento e aciona a 'garra frontal' (servo-motor), prendendo o duto. Após erguer o duto, a força desta 'garra frontal' é reduzida, mantendo assim o duto levantado e seguro, permitindo o robô deslocar-se livremente.

Os sensores de cor (RGB) posicionados nas laterais do robô reconhecem as cores e ditam o posicionamento do robô dentro da casa, e está localizado a aproximadamente 15 mm em relação ao solo. Um sensor de identificação de campo magnético, como mostra a figura 6, foi posicionado na parte superior, de forma que causasse o mínimo de interferência necessária, permitindo o robô deslocar-se com bastante precisão e um sensor de luminosidade, que detecta as faixas pretas, a fim de contar as casas, desta forma o robô mapeia e sabe exatamente onde se encontra dentro da arena.



Figura 6. Sensor de campo magnético, posicionado na parte superior do robô.

Na parte traseira do robô, foi projetada uma garra, de maneira a encaixar o 'bloco curva, que o prende entre as abas laterais, permitindo deslocar o mesmo, de maneira com que não mova além necessitado para cumprir o objetivo.



Figura 7. Posicionamento da 'garra traseira' e a disposição das abas da garra.

### B. *Pentano*

Diferentemente do Octano, o Pentano identifica através do sensor de ultrassom o duto cerca de 80 mm ou menos, desta forma desligando os servos-motores responsáveis pela movimentação e acionando a 'garra'; esta corresponde e trabalha no mesmo formato do Octano, reduz-se a força do servo-motor da 'garra' quando suspenso do solo, permitindo o deslocar do robô pela arena.

Os sensores de cores posicionados na lateral direita, apresentado na figura 5 e na figura 4, são responsáveis pela localização do robô dentro da casa e na arena, identificando exatamente onde o robô se encontra.

Ao Pentano também foi associado um sensor de toque, posicionado na parte traseira, junto a um sistema de guia, que permite deslocamento da parte traseira, como mostra a figura 8, viabilizando transporte do 'bloco curva' e permitindo também que reconheça a válvula a ser acionada, esta permitindo ou não o escoar do óleo pela tubulação construída.

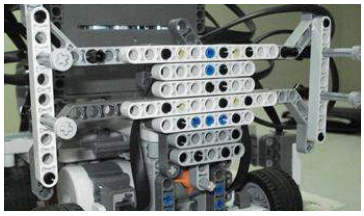


Figura 8. Sistema de guias móveis localizados na parte traseira do Pentano que permite deslocamento do bloco móvel e acionamento da válvula de escoamento de óleo.

## IV. PROGRAMAÇÃO DOS ROBÔS

A intenção de gerar uma maior precisão dos movimentos mecânicos dos robôs implica diretamente na programação [2] [3], que se torna complexa por ter várias variáveis de controle, influenciando o sistema.

A comunicação entre os robôs é fundamental para o sincronismo das tarefas executadas e é um complicador do sistema, pois muitas razões podem causar interferências, havendo assim a perda de informação. Todos os sensores e atuadores (servo-motores) estão conectados ao *brick*, um processador programável simples, que monitora e controla sensores e motores, tomando decisões a partir das informações obtidas. A programação é enviada ao *brick* por meio de um cabo USB (Universal Serial Bus), conectado ao computador programador. [1]

Cada *brick* pode controlar até quarto sensores e três atuadores. Como cada um dos robôs foi associado quatro sensores e três atuadores não se fizeram necessário agregar mais um *brick* aos robôs. No entanto, foi acrescido ao robô Pentano, outro *brick* apenas como contrapeso, permitindo dessa forma, a rotação em torno do seu centro de massa, deslocando-o com a massa do próprio *brick*.

O maior desafio da programação da dupla de robôs está na sincronização dos movimentos em relação ao posicionamento na arena. É importante ressaltar que a comunicação entre os *bricks* é realizada por *Bluetooth*, portanto não é necessário que estejam alinhados para transmissão e recepção do sinal, mas este não deve ser superior a 10 metros na troca de mensagens.

Existem muitas linguagens em que o *brick* do LEGO NXT possa ser programado, incluindo-se NXC (*Not eXactly C*) [4], JAVA [5], e também até programado por blocos software de aprendizado projetado pela LEGO. Com intuito de desenvolver uma programação estruturada com domínio teórico, mas não limitado foi optado pela NQC. Assim como existem muitas linguagens de programação que o LEGO Mindstorms suporta, há também muitos softwares que permitem desenvolver estas, e por possuir uma interface bem amigável e dispor de muitos *templates* e modelos foi

escolhido o '*Bricx Command Center 3.3*', que também é muito popular em competições de robótica de LEGO.

Para a realização da tarefa, principalmente quando se trata de comunicação foi utilizada uma relação de mestre-escravo entre os robôs. Desta forma, permite-se mais autonomia viabilizando não somente a comunicação, mas o posicionamento dos robôs na arena permitindo a liberação de espaço no decorrer do cumprimento da tarefa.

Quando acionados os robôs aguardam um período antes de executar a primeira tarefa, que no caso do Octano refere-se ao fato de remover o duto azul que obstrui seu caminho e posteriormente a remoção do duto preto e apanhar o 'bloco curva' de isopor que se localizam na parte 'B' da arena, como na figura 1. Enquanto isso, o robô Pentano localizado na parte 'A' da arena, deve inicialmente, mover-se para acionar a válvula desligando o derramamento de óleo no meio ambiente e em seguida, projetar a rota alternativa para o escoamento do óleo pela tubulação, posicionando a descrever o menor caminho possível, a reduzir o período sem escoamento de óleo no circuito. Ambos os robôs se comunicam via *Bluetooth*, sabendo exatamente a posição de um para com o outro, desta forma enquanto o robô Pentano remove o 'bloco curva' da rota do Octano, este pode auxiliar na montagem da parte superior da rota alternativa e posteriormente o robô Pentano acionar a válvula em abrir e deixar escoar o óleo pela tubulação construída. Para esta programação inicial o fluxograma abaixo, nas figuras 8 e 9, representa fielmente a seqüência de programada para os robôs Pentano e Octano, respectivamente.

Trabalhando os robôs no sistema mestre-escravo, o robô Pentano envia ao Octano, a mensagem de que a 'Tarefa' (variável de controle) é igual a '1' por cada tarefa que for executada, e desta forma o robô Octano armazena e incrementa, quando o número de 'Tarefas' for igual a um determinado número, Octano envia uma mensagem de conclusão das rotinas, que por sua vez, o robô Pentano (posicionado inicialmente no semi-plano 'A'), aciona a válvula liberando o escoar do óleo pela tubulação, concluindo a tarefa.

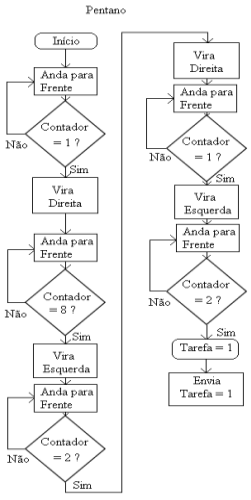



Figura 8. Fluxograma do programa inicial do robô Pentano.




Figura 9. Fluxograma do programa inicial do robô Octano.

## V. CONCLUSÕES

Utilizando protótipos de LEGO NXT pode-se perceber que a manipulação de dutos de óleo pode ser mais segura e alcançável para seres humanos. Além de permitir através dessa simulação, perceber os riscos de erros que são submetidos o projeto, deixando livre para modificações e correções, mudanças para sucessos deste, antes do desenvolvimento físico. Isso contribui para controle de riscos e gastos de recursos.

Percebe-se também que o LEGO é uma boa ferramenta muito interessante e prática para análise de riscos e complicações, podendo muitas vezes corrigir estes.

Observou-se também que o uso do sistema mestre-escravo para comunicação e localização dos robôs dentro da arena, facilitou a sincronia e permitiu conclusão da tarefa. A parte física, apesar de os robôs possuírem estruturas diferentes, mostrou-se eficiente, respondendo com precisão à programação desenvolvida

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# Recognition of Soybean Crop Diseases Using Vector of Locally Aggregated Descriptors and Soft Assignment

*Rillian Diello Lucas Pires*
*Advisor: Wesley Nunes Gonçalves*

**FACOM - Federal University of Mato Grosso do Sul.**
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Rillian Diello Lucas Pires

# Recognition of Soybean Crop Diseases Using Vector of Locally Aggregated Descriptors and Soft Assignment

Thesis presented to the Master's Program in Computer Science of the School of Computing, Federal University of Mato Grosso do Sul, for the Thesis Defense, as part of the requirements for obtaining the degree of Master in Computer Science (Major Area: Computer Vision).

Advisor:
Prof. Dr. Wesley Nunes Gonçalves

Campo Grande
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# Abstract

Brazilian agriculture has been growing, mainly due to increased productivity and the development of policies to encourage farmers. In this scenario, the flagship of Brazilian agricultural production is grains, especially soybeans. Despite this, Brazilian plantations have not reached the maximum yield potential, and much of this is due to the presence of diseases and agricultural pests that cause damage to the plants and consequently decrease productivity. In this way, the use of advanced technologies and techniques has become a differentiator, so much so that currently several computer systems are used in farming for better results. In this context, techniques based on Computer Vision such as image classification have been highlighted, especially the visual-word histogram (BoVW), which is based on constructing a vocabulary of visual words from points of interest detected by local point descriptors. However, despite the good results obtained by BoVW in image classification, it uses a form of rigid labelling that associates each point of interest with a single visual word, which generates a loss of local information. In order to circumvent this deficiency, vectors of locally aggregated descriptors (VLAD) have been proposed. They are based on the representation of the visual words by means of a vector of differences between the visual word and the points described. This work aims to evaluate BoVW and VLAD in the classification of foliar diseases of soybean crop and to propose an approach that allows the building of more discriminating descriptors through light attribution; for that, an application has been developed that allows the use and Evaluation of both techniques. The SIFT and SIFT Denso local point descriptors were used to detect and describe the points of interest of soybean leaf images. To evaluate the techniques proposed in this work, experiments were carried out using two bases composed of samples of diseased and healthy soybean leaves, the first of which was constructed with the help of a scanner and the second was obtained through a camera. The results were compared with the existing techniques in the literature, and in both bases the proposed methods presented promising results. The inclusion of local information of the points, along with the light attribution of the descriptors, showed success rates above 90% in both bases.

**Keywords**: Local Points Descriptors, Histogram of Visual Words, Foliar Diseases of Soybean Culture, Computer Vision, Classification of Images, Precision Agriculture.

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CHAPTER 1

# Introduction

## *1.1 Motivation*

Brazilian agriculture has grown strongly, anchored in increasing productivity gains, adequate public policies, and the entrepreneurship of the rural producer. Brazilian grain production more than doubled in two decades, according to National Supply Company (CONAB) estimates [12], mainly as a result of efficiency gains, with the growth rate of productivity (3.2%) during this period being almost twice that of the planted area (1.7%).

According to the Ministry of Agriculture [1], in the 2013/14 harvest, despite the climatic adversities that affected important agricultural production regions, Brazil harvested approximately 195.47 million tons of grain. For the 2014/15 harvest, approximately 209.5 million tons were harvested. For the 2015/2016 harvest, approximately 186.4 million tons were harvested, a reduction of approximately 10% in relation to the 2014/15 harvest. However, the 2015/2016 harvest brought a new record, in which approximately 234.3 million tons of grain were harvested, with particular emphasis on soybean production, which reached 113.9 million tons.

On the national scene, according to CONAB [12], the Brazilian Center-West is the main producer of the soybean crop. For the 2016/2017 harvest, production is estimated at 50.1 million tons, with an average productivity of 3,301 kg per hectare. The second major soybean-producing region in Brazil is the South region, for which 40.5 million tons are estimated for the 2016/2017 harvest, with an average productivity of 3,537 kg per hectare. The three largest state producers of soybean in Brazil are the states of Mato Grosso (30.5 million tons), Paraná (19.5 million tons), and Rio Grande do Sul (18.7 million tons); Mato Grosso do Sul ranks fifth, with a production of 8.5 million tons and an average productivity of 3,400 kg per hectare.

The graph in Figure 1.1 illustrates the growth of soybean production for all Brazilian regions over the last 5 years, according to data from CONAB [12]. The Center-West and South regions can be seen to be the largest producers, and over the last 5 years they have shown stable growth. Among the other regions, the notable drop in production in the Northeast region during the 2015/2016 harvest stands out, which caused the region's

production to be surpassed by that of the Southeast region in that harvest. The 2015/2016 harvest was marked by several problems related to climate and rainfall that negatively affected national production.

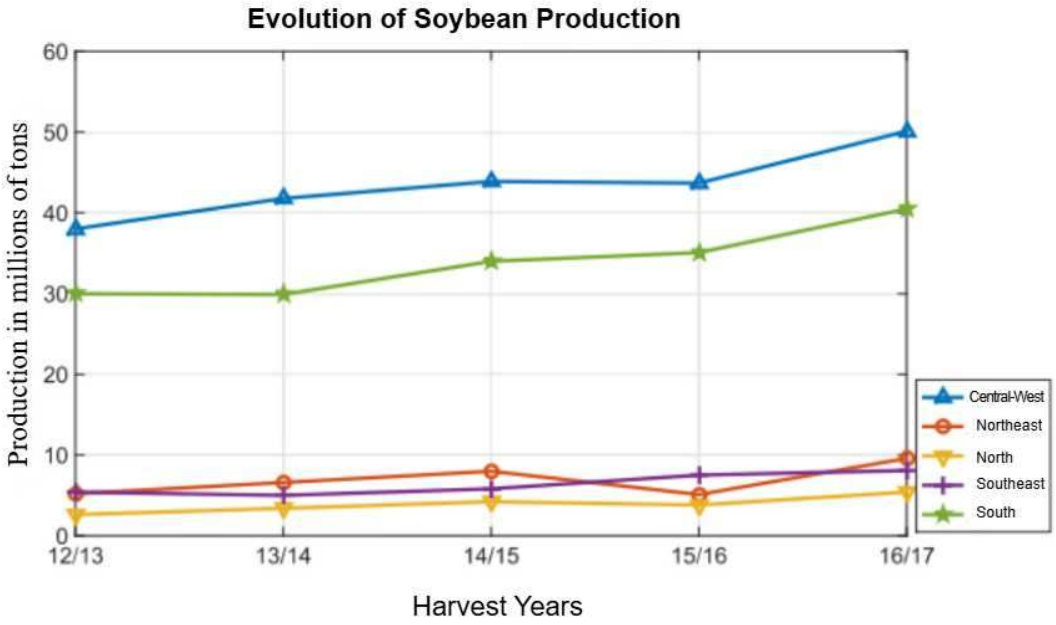



Figure 1.1: Evolution of soybean harvest production over the last 5 years [12].

Although soybean is currently one of the main crops in our country, given its expansion throughout the national territory, the economic exploitation of its yield potential (above 4,000 $ha^{-1}$) is hardly achieved due to a lack of adequate management [10]. For example, the average production per hectare in the Center-West region is 3,301 kg, and in the South region it is 3,537 kg. The Food and Agriculture Organization (FAO) considers that pests[1] are responsible, on average, for about 42.1% of production losses. According to Kreyci et al. [35], in 2013 it was estimated that phytopathogens[2] were responsible for 13.3% of damage. Weeds accounted for 13.2%; insects and mites for 15.6%.

With the expansion of the soybean crop into new areas for commercial cultivation, the number of diseases caused by bacteria, fungi, nematodes, and viruses tends to increase, limiting production and yield [67] with each harvest. In addition, competitiveness, consumer market demands, and the pursuit of natural resource conservation through the reduction of environmental pollution are factors that have motivated the search for improvement in the management of agricultural production processes.

One of the alternatives lies in monitoring diseases from the sowing stage through to harvest, making it possible to quantify damage, reduce the costs of applying agricultural pesticides[3], and reduce environmental impact, as well as achieve increased productivity and yield. Given this scenario, the importance of precision agriculture has grown, which is defined by Pires et al. [52] as "the use of technologies for the management of soil, inputs, and crops, tailored to spatial and temporal variations in factors that affect their productivity, to increase production efficiency."

[1] weeds or other unwanted plants, or any form of animal life that can destroy what human beings consider to be a good [29]

[2] disease-causing agents

[3] chemical products used to combat and prevent agricultural pests, agrochemicals

Currently, many systems are applied in the field of agribusiness to achieve better results in increasing production, product quality, and reducing waste, as well as those that assist in decision-making. Among the tools used in precision agriculture, remote sensing stands out, widely used for mapping crop areas and estimating their yield. However, in recent years, research has been directed toward monitoring crop conditions, such as, for example, the identification of nutritional deficiencies in plants and, more recently, the occurrence of diseases and classification of invasive plants, among others [23].

In this context, computer vision is a research area that has been advancing and assisting in the evolution and performance of processes carried out manually [7]. Computer vision is a recent research area responsible for a machine's "vision," extracting meaningful information, making it possible to recognize, manipulate, and analyze the objects that make up a given image. According to Prince [54], the main objective of computer vision is to extract useful information from images. This task has proven surprisingly challenging, having attracted great interest from researchers in recent decades.

Several projects using computer vision techniques for precision agriculture have been developed, such as, for example, the detection of foliar damage through digital images [17], identification of invasive plants [55], identification and counting of yeasts [59], among others. Among the various problems studied in computer vision that have applications in precision agriculture, image classification is one of the most studied given its high degree of complexity. According to Csurka et al. [15], image classification aims to identify the presence of objects in images, or recognize them as a particular type of scene. In the recognition of foliar diseases, the objective is to determine the presence of visual characteristics on the leaves that are attributed to diseases, such as spots, cracks, and scratches, as can be seen in Figure 2.2, which shows Asian rust (Phakopsora pachyrhizi).

Currently, the great majority of methods for image classification use the Bag-of-Visual-Words (BoVW) technique proposed by Csurka et al. [15]. The first step of BoVW consists of the detection of points of interest. There are several algorithms in the literature today that aim to detect and/or describe points. Among these, we can cite SIFT (Scale Invariant Feature Transform) [40], Dense SIFT [38], SURF (Speeded-UP Robust Features) [5], PHOW (Pyramid Histogram of Visual Words) [8], HOG (Histograms of Oriented Gradients) [16], and LBP (Local Binary Patterns) [44].

After detecting and describing the set of points of interest, the second step comprises the clustering of the descriptors. Usually, the method used for clustering is *K-means*, which, according to Fonseca [22], has proven to be a relevant alternative for carrying out the clustering of visual words because it is simple, intuitive, and has linear complexity. *K-means* extracts a set of centroids that constitute the vocabulary of visual words. With the vocabulary constructed, each point of interest located in the image is then associated with the nearest visual word according to the Euclidean distance, in a process known as labeling; and finally, a histogram is constructed based on the frequency of each visual word in the image, which forms the image's feature vector.

Despite the good results obtained in image classification with BoVW, it uses hard assignment [49], in which a descriptor is associated with a single visual word, incrementing the count of that visual word in the histogram. This form of labeling can lead to loss of local information in the feature space, since it does not take into account whether the location of the descriptor is in a border region, whether it is noise, etc. As shown in Figure 1.2, the small

points represent descriptors that were extracted; the circles are centroids obtained through clustering. In the image, 3 descriptors were selected, represented by a triangle, a square, and a diamond. Using hard assignment on these three descriptors, the triangle would be adequately labeled, since it is close to the visual word and has no relation to any other. The square, on the other hand, is located in a border region between two visual words, and its hard labeling would associate it with only one visual word, even though it has influence over both. Finally, the diamond would be associated with the nearest visual word, but we observe that it is not actually close to any visual word, which characterizes it as noise.

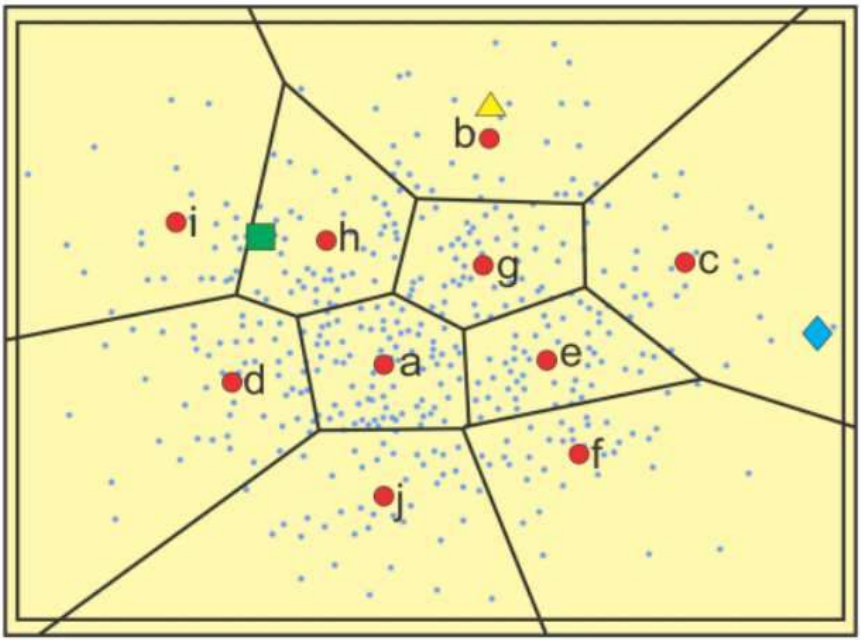



Figure 1.2: The small dots represent descriptors extracted from the image, and the larger circles are centroids. The triangle represents a descriptor that is suitable for labeling since it is very close to a centroid. The square represents an ambiguous descriptor since it is located in a border region, and the diamond may represent noise.

With the aim of contributing to the improvement of Brazilian soybean agricultural production, this work had two main objectives: theoretical and practical. From a theoretical point of view, this work evaluates the problems found in the construction of descriptors, allowing them to be made more representative and effective. To this end, approaches that incorporate local information into descriptors were studied, such as those proposed by *Gemert et al.* [63], which use soft assignment to the vocabulary together with ambiguity to construct more discriminative descriptors; and the proposal by *Jégou et al.* [32], which uses the aggregation of descriptors according to the distance to the visual words.

From a practical point of view, this work presents the development of software for the recognition of a set of foliar diseases of the soybean crop, using computer vision techniques based on keypoint descriptors and the histogram of visual words. The main objective of this information is to assist agronomists and producers in decision-making aimed at combating and preventing diseases, such as the application of agricultural pesticides in precise regions, the quantification of damage and losses for upcoming harvests, the use of treated seeds, etc.

This work describes an approach that allows a descriptor to be assigned to more than one visual word, through the calculation of the weight that the descriptor exerts on the visual

word. The weight calculation takes into account the distance involved between the descriptor and the visual words. This weight was used for the development of a set of techniques based on VLAD, namely: VLAD-F, which performs the assignment of each descriptor to all centroids; VLAD-PNC, which assigns each descriptor to a set *P* of centroids; and VLAD-VNNC, which assigns each descriptor to a variable set of centroids. Also described in this work is a set of experiments and their respective results, based on two image databases composed of samples of healthy and diseased soybean leaves, the first of which was built with the aid of a scanner and the second of which was obtained using a camera.

In the experiments, two of the best-known local keypoint descriptors in the literature were used, SIFT and Dense SIFT. The *K-means* clustering algorithm was also used, and to classify the images, the Linear Support Vector Machine (Linear SVM) classifier [39] was used, as it is simple, intuitive, and provides results that are easy to interpret. As evaluation metrics, the mean accuracy percentages, the standard deviation, and the confusion matrix were calculated for the proposed techniques.

In general, the proposed techniques obtained results superior to those existing in the literature for both image databases. They revealed that the inclusion of local information in feature descriptors improves the performance in the recognition of foliar diseases of the soybean crop. Furthermore, specifically with regard to the second image database, the techniques demonstrated promising results with respect to their application in real problems, since this database more faithfully represents the conditions existing in crops.

## *1.2 Related Work*

In this section, the main works that extended BoVW, building more representative methods, are described (see Table 1.1).

Table 1.1: Works that promoted extensions to image classification techniques based on BoVW.

| **Author** | **Year** | **Title** |
|---|---|---|
| **Lazebnik, Svetlana and Schmid, Cordelia and Ponce, Jean** | 2006 | Beyond bags of features: Spatial pyramid matching for recognizing natural scene categories |
| **Perronnin, Florent and Dance, Christopher and Csurka, Gabriela and Bressan, Marco** | 2006 | Adapted vocabularies for generic visual categorization |
| **Moosmann, Frank and Triggs, Bill and Jurie, Frederic** | 2007 | Fast discriminative visual codebooks using randomized clustering forests |
| **van Gemert, Jan C and Veenman, Cor J and Smeulders, Arnold WM and Geusebroek, J-M** | 2010 | Visual word ambiguity |
| **Jégou, Herve and Douzé, Matthijs and Schmid, Cordelia and Pérez, Patrick** | 2010 | Aggregating local descriptors into a compact image representation |
| **Wang, Jinjun and Yang, Jianchao and Yu, Kai and Lv, Fengjun and Huang, Thomas and Gong, Yihong** | 2010 | Locality-constrained linear coding for image classification |
| **Afonso, Luis Claudio Sugi** | 2012 | Composition of visual dictionaries using data clustering via Optimum-Path Forests |

Lazebnik et al. [36] present a method for performing image categorization based on global geometric correspondence. This technique works by dividing the image into progressively smaller sub-regions and computing a histogram of the local information found within each sub-region. The resulting spatial pyramid is a simple and computationally efficient extension of BoVW [15], which proved to be significantly better at the categorization task, providing coarse spatial information to BoVW. In their experiments, the proposed method proved superior to the state of the art when evaluated on the Caltech-101 database and achieved high accuracy on a database of fifteen scene categories [21]. Despite the improvement in results, this approach is not rotation-invariant, since it allows the same object to be present in an image with different orientations.

Perronnin et al. [47] proposed carrying out Generic Visual Categorization (GVC), which is based on the construction of a universal vocabulary that describes all image classes and a set of vocabularies for the image classes, obtained by adapting the universal vocabulary to a specific class of images. Each histogram obtained describes whether the image is appropriately modeled by the universal vocabulary or corresponds to a specific adapted vocabulary. Perronnin et al. [47] carried out experiments on 3 different databases, the in-house scene database, the LAVA7 database, also known as *Xerox7* [69], and the *Wang* database [11]. The results obtained demonstrated that this approach of a universal vocabulary or corresponding class vocabularies outperformed state-of-the-art approaches that characterize an image by a single histogram.

In their work, *Moosmann et al*. [42] proposed a new approach for the construction of the visual word vocabulary through a forest of randomized clusterings. This approach proved superior to coding using *k-means*, as it provided a set of visual words that was more discriminative and resistant to noise. The proposed method first builds a set of randomized decision trees to predict class labels for the visual descriptor vectors, and, with the labels obtained, the forest is constructed. In the method, the trees transform each descriptor into a set of leaf node indices across all the trees. The votes for each index are accumulated to build a global histogram that is used in classification.

*Gemert et al.* [63] use the so-called soft assignment to the visual vocabulary, which has shown results superior to hard assignment. In addition, their work introduces the use of ambiguity, which also shows an improvement in identification performance. Through ambiguity, there is a higher level of representation for each image, enriching the feature vector and resulting in better performance in the classification stage [63]. Ambiguity can be modeled by different similarity metrics, in which it is considered that a descriptor may be similar to more than one visual word, and such similarity can be represented by a normalized value between -1 and 1. In their work, they carried out a comparison among four forms of assignment: traditional, application of a Kernel, Codeword Uncertainty ambiguity, and Codeword Plausibility ambiguity. Codeword Uncertainty ambiguity allows a point to be assigned to more than one visual word based on the calculation of the silhouette. Codeword Plausibility ambiguity assigns the best candidate based on the silhouette.

*Jégou et al.* [32] proposed the Vector of Locally Aggregated Descriptors (VLAD), which derives from BoVW [15] and the *Fisher* kernel [46], to provide a vector representation of the image by aggregating the descriptors based on locality criteria. In the proposed method, descriptors are constructed from the points of interest of the image, and a vocabulary of visual words is obtained. Then, each descriptor is associated with the nearest visual word

through the nearest-neighbor method, and the difference between the descriptor and the visual word is calculated. The difference between each visual word and its descriptors is accumulated to construct the final descriptor. In their experiments, *Jégou et al.* [32] demonstrated that VLAD outperforms BoVW for sets of the same size.

In the work of *Wang et al.* [65], they present a feature coding scheme called Locality-constrained Linear Coding (LLC), which uses locality constraints to project each descriptor onto its local coordinate system and is based on the study carried out by *Yu et al.* [68]. This approach aims to provide representations that work better with linear classifiers and allow for greater scalability. Among the main properties of LLC are better reconstruction, smooth local sparsity, and an analytical solution. The experimental results demonstrated that the final representation generated by means of LLC coding achieved a remarkable image classification accuracy, even with a linear SVM classifier, in addition to having low analytical complexity.

Luis C. S. [2] proposed a method for finding the dictionary automatically, employing a graph-based algorithm called Optimum-Path Forest, which does not require the dictionary's dimension in order to find it. In his experiments, Afonso used 3 databases (ETH80, Fish cells, and Tropical Fruits) and compared the *k-means*, random selection, and unsupervised OPF techniques. First, the SIFT [40] and SURF [5] descriptors were extracted. After extracting the descriptors, the visual dictionaries were computed using the 3 techniques, and the evaluation was carried out by measuring the time needed to generate each dictionary. The results demonstrated that the Optimum-Path Forest algorithm is an alternative to be employed in BoVW, since the accuracy rates are similar to those of the other techniques; it has an advantage when high-dimensional dictionaries need to be computed and, most importantly, it does not require the dimension of the visual dictionary to be defined a *priori*.

## *1.3 Objectives*

### *1.3.1 General*

To promote a set of improvements to image classification algorithms that use techniques based on keypoint descriptors and histograms of visual words, enabling them to be more discriminative and allowing their application in the identification of foliar diseases in the soybean crop, such as Asian Rust, Mildew, Brown Spot, and Frogeye Leaf Spot.

### *1.3.2 Specific*

- Survey and construction of an image database with foliar diseases in the soybean crop;
- To propose a method that allows for the inclusion of local information of the point descriptors through soft assignment;
- Implementation and validation of the proposed method based on VLAD [32];
- Application of the proposed method to the recognition of foliar diseases in the soybean crop;
- Comparison of the results obtained for the recognition of foliar diseases of the soybean crop.

### *1.4 Structure of the Text*

In Chapter 1, the motivations and objectives of this work were presented. In Chapter 2, a description of soybean is presented, the life cycle of the plant, and a description of the foliar diseases of the soybean crop most prevalent in Brazil. Chapter 3 presents Computer Vision in the context of agriculture and the main techniques involved in performing the extraction of local descriptors, SIFT [40] and Dense SIFT [38]; the histogram of visual words [15]; the VLAD technique.

In Chapter 4, the approaches proposed to solve the problem of including local information in the descriptors are described; a solution is presented based on the calculation of weights proportional to the distance involved between the descriptor and the visual words, and the VLAD-F, VLAD-PNC, and VLAD-VNNC techniques are also described, which use the assignment of a descriptor to more than one visual word.

In Chapter 5, the experiments and results obtained by the proposed techniques that use the assignment of descriptors based on the calculation of weights are described. Finally, in Chapter 6, the conclusions of this work are discussed, and some future work is presented.

CHAPTER 6

# Conclusion

In this work, a set of improvements to image classification algorithms was proposed, which allowed their application in the recognition of foliar diseases of the soybean crop in crop-field images. Approaches based on the Bag of Visual Words (BoVW) and on the Vector of Locally Aggregated Descriptors (VLAD) were proposed, which made possible the inclusion of additional local information in the image descriptors. The calculation of weights was applied for each descriptor in relation to the visual words, and the descriptors were assigned to the centroids on which they exerted the greatest weight.

The techniques were evaluated on two image databases composed of samples of soybean foliar diseases. The first database is composed of 1,200 images obtained with the aid of a scanner, while the second is composed of 7,584 images obtained through a camera in experimental fields. The local point descriptors SIFT and Dense SIFT were used to obtain and describe the points of interest in the images; then, the *K-means* clustering algorithm was used for the construction of the visual vocabularies. After this step, the weight calculations of the descriptors were carried out, along with the assignments according to the technique applied.

The experimental results demonstrated that the inclusion of local spatial information in the descriptors improves performance in the task of recognizing and classifying foliar diseases of the soybean crop. Among the proposed techniques, VLAD-PNC and VLAD-VNNC obtained the best performances for both databases and with both descriptors, outperforming the techniques proposed in the BoVW and VLAD literature.

The results also showed that the Dense SIFT local point descriptor generally outperformed SIFT. The exception was observed in VLAD-F, which had inferior results in most tests. This occurred because Dense SIFT extracts a larger set of points of interest to be described locally; in this way, *K-means*, with more points, is able to more adequately represent the vocabulary. For the first image database, Dense SIFT extracted 2,209 points per image in the database, while SIFT extracted an average of 354. For the second database, Dense SIFT again extracted 2,209 points per image, and SIFT obtained an average of 191 points.

In the first image database, VLAD-VNNC using Dense SIFT and a vocabulary of 256 words achieved 97.68% classification accuracy. This result is slightly higher than that

obtained by VLAD-PNC, also with the Dense SIFT point descriptor and a vocabulary composed of 128 visual words, which obtained a 97.40% classification accuracy rate. In the second image database, Plant Village, VLAD-VNNC obtained an accuracy rate of 92.95%, using the Dense SIFT local descriptor with a vocabulary of 512 words. On the other hand, VLAD-PNC achieved 91.98%, with the Dense SIFT descriptor and a vocabulary of 512 words.

Based on the results obtained on the second image database, it was possible to conclude that the techniques have applications for real-world problems, since this database more faithfully simulates the conditions found in crops, which make the disease recognition process more difficult.

## *6.1 Future Work*

As proposals for future work, we can list:

- Evaluate the proposed techniques for the use of other local point descriptors, such as SURF, PHOW, HOG, and LBP;

- Evaluate the proposed techniques for the use of other clustering algorithms, such as GMM, Random Clustering Forests, and Optimum-Path Forests, which have demonstrated promising results as a replacement for *K-means*, due to the fact that they do not need to know the size of the vocabulary (*K*) in advance;

- Develop a module that allows for the identification and analysis of the severity of foliar diseases, enabling the standardization of the process which, today, is carried out visually by specialists in the field and is subject to subjectivity;

- Apply and evaluate the proposed method for other crops such as orange, sugarcane, corn, and cotton, given that these crops are very present in the agricultural environment of our country and require attention with regard to losses caused by diseases.

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**Date: September 10, 2026**

# Reconhecimento de Doenças da Cultura da Soja usando Vetores Localmente Agregados e Atribuições Leves

*Rillian Diello Lucas Pires*
*Orientador: Wesley Nunes Gonçalves*

**FACOM - Universidade Federal de Mato Grosso do Sul.**
**Agosto/2017**

Rillian Diello Lucas Pires

# Reconhecimento de Doenças da Cultura da Soja usando Vetores Localmente Agregados e Atribuições Leves

Dissertação apresentada ao Programa de Mestrado *Stricto Sensu* em Ciência da Computação da Faculdade de Computação, mantido pela Universidade Federal do Mato Grosso do Sul, para o Exame de Dissertação, como parte dos requisitos para a obtenção do título de Mestre em Ciência da Computação (Área de Concentração: Visão Computacional).

Orientador:
Prof. Dr. Wesley Nunes Gonçalves

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# Abstract

Brazilian agriculture has been growing, mainly due to increased productivity and the development of policies to encourage farmers. In this scenario, the flagship of Brazilian agricultural production are grains, especially soybeans. Despite this, Brazilian plantations have not reached the maximum yield potential, and much of this is due to the presence of diseases and agricultural pests that cause damage to the plants and consequently decrease productivity. In this way, the use of advanced technologies and techniques has become a differential, so much so that currently several computer systems are used in farming for better results. In this context, techniques based on Computater Vision such as image classification have been highlighted, especially the visual-word histogram (BoVW), which is based on Construct a vocabulary of visual words from points of interest detected by local point descriptors. However, despite the good results obtained by BoVW in image classification, it uses a form of rigid labeling that associates each point of interest with a single visual word, which generates loss of local information. In order to circumvent this deficiency, vectors of locally aggregated descriptors (VLAD) have been proposed. They are based on the representation of the visual words by means of a vector of differences between the visual word and the points described. This work aims to evaluate the BoVW and VLAD in the classification of foliar diseases of soybean crop and to propose an approach that allows the built of more discriminating descriptors through the light attribution, for that, an application has been developed that allows the use and Evaluation of both techniques. The SIFT and SIFT Denso local points descriptors were used to detect and describe the points of interest of soybean leaf images. To evaluate the techniques proposed in this work, experiments were carried out using two bases composed of samples of diseased and healthy soybean leaves, the first of which was constructed with the help of a scanner and the second was obtained through a camera. The results were compared with the existing techniques in the literature and in both bases the proposed methods presented promising results. The inclusion of local information of the points, along with the light attribution of the descriptors, showed success rates above 90% in both bases.

**Keys Words:** Local Points Descriptors, Histogram of Visual Words, Foliar Diseases of Soybean Culture, Computer Vision, Classification of Images, Precision Agriculture.

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CAPÍTULO

# 1

# Introdução

## 1.1 Motivação

A agricultura brasileira tem crescido fortemente ancorada em aumentos crescentes de produtividade, em políticas públicas adequadas e no empreendedorismo do produtor rural. A produção brasileira de grãos mais que dobrou em duas décadas segundo estimativas da CONAB [12], principalmente em decorrência de ganhos de eficiência, sendo que nesse período a taxa de crescimento da produtividade (3,2%), foi quase duas vezes superior à da área plantada (1,7%).

Segundo Ministério da Agricultura [1], na safra 2013/14, apesar das adversidades climáticas que atingiram importantes regiões de produção agrícola, o Brasil colheu aproximadamente 195,47 milhões de toneladas de grãos. Para a safra 2014/15 foram colhidas aproximadamente 209,5 milhões de toneladas. Na para a safra 2015/2016 foram colhidas aproximadamente 186,4 milhões de toneladas. Redução de aproximadamente 10% em relação à safra 2014/15. Porém, a safra 2015/2016 trouxe um novo recorde, em que foram colhidas aproximadamente 234,3 milhões de toneladas de grãos. Com destaque para a produção de Soja que atingiu uma produção de 113.9 milhões de toneladas.

No cenário nacional, de acordo com CONAB [12], o Centro-Oeste brasileiro é o principal produtor da cultura de soja. Sendo que para a safra de 2016/2017 estima-se uma produção de 50,1 milhões de toneladas, com uma produtividade média de 3.301 kg por hectare. A segunda grande região produtora de soja no Brasil é a região sul, que para a safra 2016/2017 estima-se 40,5 milhões de toneladas e uma produtividade média de 3.537 kg por hectare. Os três maiores produtores estaduais de soja no Brasil são os Estados do Mato Grosso (30,5 milhões de toneladas), Paraná (19,5 milhões de toneladas) e Rio Grande do Sul (18,7 milhões de toneladas); Mato Grosso do Sul aparece em quinto com uma produção 8,5 milhões de toneladas e uma produtividade média de 3.400 kg por hectare.

O gráfico da Figura 1.1 ilustra o crescimento da produção de soja para todas as regiões brasileiras nos últimos 5 anos, segundo dados da CONAB [12]. Se pode evidenciar as regiões Centro-Oeste e Sul como maiores produtoras, e que nos últimos 5 anos apresentaram um crescimento estável. Nas demais regiões se pode destacar a notável queda de produção na região Nordeste durante a safra de 2015/2016, que fez com que a produção da região fosse

superada pela produção da região Sudeste nessa safra. A safra 2015/2016 foi marcada por diversos problemas relacionados ao clima e as chuvas que afetaram negativamente a produção nacional.

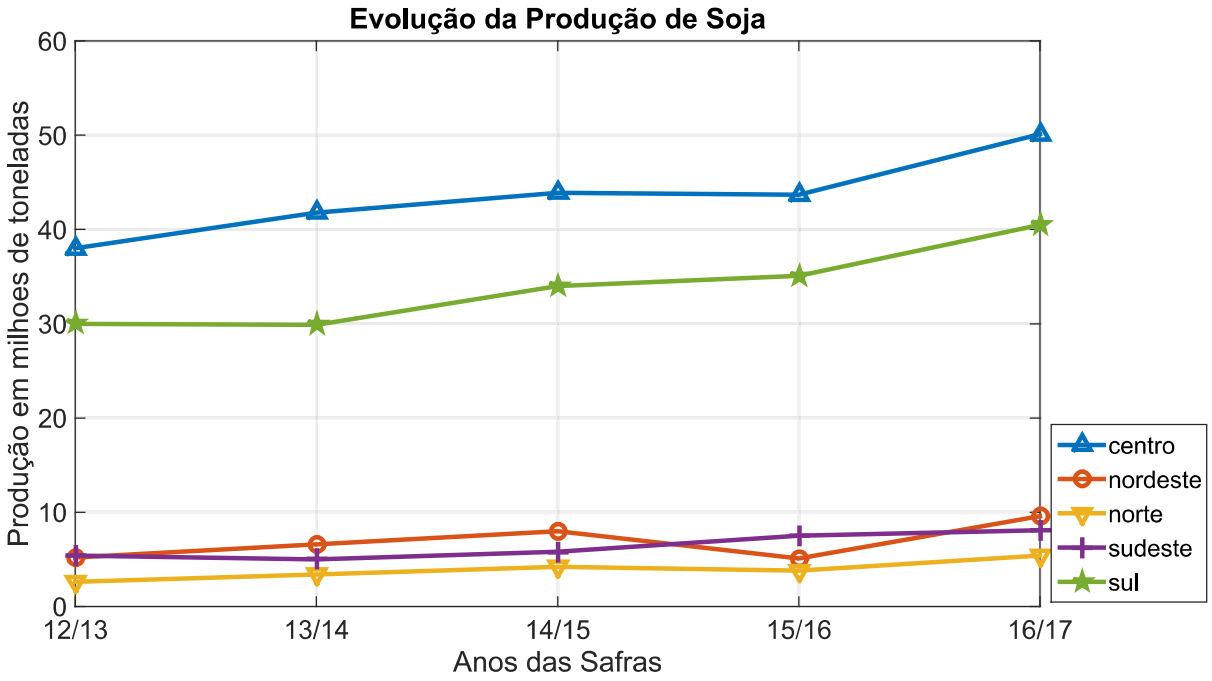



Figura 1.1: Evolução da produção das safras de soja nos últimos 5 anos [12].

Apesar da soja ser atualmente uma das principais culturas em nosso país, dada a sua expansão por todo o território nacional, a exploração econômica do seu potencial de rendimento (superior a 4.000 ha-1) dificilmente é alcançada por falta de manejo adequado [10]. Por exemplo a produção média por hectare na região Centro-Oeste é 3.301 kg e na região Sul é de 3.537 kg. A Organização Mundial para Alimentação e Agricultura (FAO) considera que as pragas[1] são responsáveis, em média, por cerca de 42,1% das perdas na produção. Segundo Kreyci et al [35] em 2013, se estimou que os fitopatógenos [2] foram responsáveis por 13,3% de danos. As plantas daninhas por 13,2%; insetos e ácaros por 15,6%.

Com a expansão da cultura de soja em novas áreas para o cultivo comercial, o número de doenças causadas por bactérias, fungos, nematoides e vírus, tende aumentar limitando a produção e o rendimento [67] a cada safra. Além disso, a competitividade, exigências do mercado consumidor e a busca pela conservação dos recursos naturais através da diminuição da poluição do meio ambiente, são fatores que tem motivado a procura de um aprimoramento do manejo e gerenciamento dos processos produtivos agrícolas.

Uma das alternativas está no monitoramento das doenças desde a fase da semeadura até a colheita, sendo possível, quantificar os danos, diminuir os custos da aplicação de defensivos agrícolas[3], e a diminuição do impacto ambiental; e ainda obter o aumento da produtividade e rendimento. Diante desse cenário, cresceu a importância da agricultura de precisão, que é definida por Pires *et al* [52] como "o uso de tecnologias para o manejo de solo, insumos e culturas, de modo adequado às variações espaciais e temporais em fatores que afetam a produtividade das mesmas com o objetivo de aumentar a eficiência produtiva".

[1] ervas ou outra planta daninha, ou qualquer forma de vida animal que possa destruir aquilo que o ser humano considera um bem [29]

[2] agentes causadores de doenças

[3] Produto químico utilizado no combate e prevenção de pragas agrícolas, agrotóxicos

Atualmente, muitos sistemas são aplicados na área do agronegócio para obter melhores resultados no aumento da produção, qualidade dos produtos, redução de desperdícios e, ainda, aqueles que auxiliam na tomada de decisão. Dentre as ferramentas utilizadas na agricultura de precisão destaca-se o sensoriamento remoto, muito utilizado para o mapeamento de áreas de cultura e estimação do rendimento das mesmas. Entretanto, nos últimos anos a pesquisa tem sido direcionada para o monitoramento das condições da cultura como, por exemplo, a identificação das deficiências nutricionais das plantas, e mais recentemente a ocorrência de doenças, e classificação de plantas invasoras, dentre outros [23].

Nesse contexto, a visão computacional é uma área de pesquisa que vem avançando e auxiliando na evolução e desempenho dos processos realizados manualmente [7]. A visão computacional é uma área de pesquisa recente e responsável pela "visão" de uma máquina, extraindo informações significativas, possibilitando reconhecer, manipular e analisar os objetos que compõem uma determinada imagem. Segundo Prince [54] o principal objetivo da visão computacional é extrair informação útil das imagens. Essa tarefa tem se demonstrado surpreendentemente desafiadora, tendo despertado grande interesse dos pesquisadores nas ultimas décadas.

Diversos projetos que utilizam técnicas de visão computacional para a agricultura de precisão vem sendo desenvolvidos, como por exemplo a detecção de danos foliares através de imagens digitais [17], identificação de plantas invasoras [55], identificação e contagem de leveduras [59], entre outros. Dentre os diversos problemas estudados na visão computacional que tem aplicações na agricultura de precisão, a classificação de imagens é um dos mais estudados dado o seu elevado grau de complexidade. Segundo Csurka et al [15], a classificação de imagens tem como objetivo identificar a presença de objetos em imagens, ou reconhecê-las como um tipo de cena em particular. No reconhecimento de doenças foliares, o objetivo e determinar a presença de características visuais nas folhas que são atribuídas as doenças, tais como manchas, rachaduras e ranhuras, como podemos observar na Figura 2.2 que apresenta a ferrugem asiática (*Phakopsora pachyrhizi*).

Atualmente a grande maioria dos métodos para a classificação de imagens utilizam a técnica do histograma de palavras visuais (do inglês *Bag-of-Visual-Words - BoVW*) proposta por Csurka et al [15]. O primeiro passo do BoVW consiste na detecção dos pontos de interesse. Existem hoje na literatura diversos algoritmos que tem como objetivo detectar e/ou descrever pontos. Destes, podemos citar o SIFT (*Scale Invariant Feature Transform*) [40], SIFT Denso [38], SURF (*Speeded-UP Robust Features*) [5], PHOW (*Pyramid Histogram Of Visual Words*) [8], HOG (*Histograms of Oriented Gradients*) [16] e o LBP (*Local Binary Patterns*) [44].

Após detectar e descrever o conjunto de pontos de interesse, o segundo passo compreende o agrupamento dos descritores. Usualmente o método utilizado para o agrupamento é o *K-means*, que segundo Fonseca [22], tem se mostrado uma alternativa relevante para realizar o agrupamento de palavras visuais por ser simples, intuitivo, e possuir uma complexidade linear. O *K-means* extrai um conjunto de centroides que constituem o vocabulário de palavras visuais. Com o vocabulário construído, cada ponto de interesse localizado na imagem é então associado à palavra visual mais próxima de acordo com a distância Euclidiana, em um processo conhecido como rotulação; e por fim é construído um histograma baseado na frequência de cada palavra visual na imagem que compõe o vetor de características da imagem.

Apesar dos bons resultados obtidos na classificação de imagens com o BoVW, ele utiliza a atribuição rígida [49], em que um descritor é associado a uma única palavra visual, incrementando a contagem da palavra visual no histograma. Essa forma de rotulação pode gerar perda de informações locais no espaço de características pois não leva em consideração se a localização do descritor esta em uma região de fronteira, se é um ruido, etc. Conforme Figura 1.2, os pequenos pontos representam descritores que foram extraídos, os círculos são centroides

obtidos por agrupamento. Na imagem foram selecionados 3 descritores, sendo representados por um triângulo, um quadrado e um losango. Utilizando-se a atribuição rígida nesse três descritores: o triângulo seria adequadamente rotulado pois esta próximo da palavra visual e não tem relação com nenhuma outra. Já o quadrado está localizado em uma região de fronteira entre duas palavras visuais e sua rotulação rígida o associaria a apenas uma palavra visual sendo que ele tem influência sobre ambas. Por fim, o losango, seria associado a palavra visual mais próxima porém observamos que ele não se encontra de fato próximo a nenhuma palavra visual, o que caracteriza um ruído.

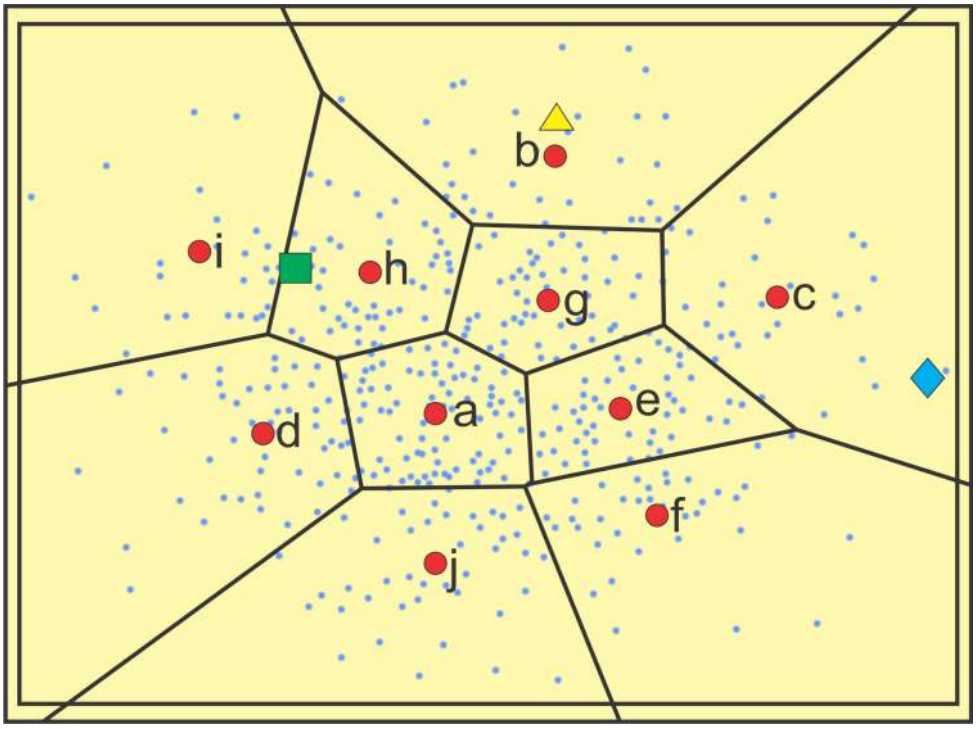



Figura 1.2: Os pontos pequenos representam descritores extraídos da imagem e os círculos maiores são centroides. O triângulo representa um descritor, que é adequado a rotulação pois está bem próximo a um centroide. O quadrado representa um descritor ambíguo pois se encontra em uma região de fronteira e o losango pode representar um ruído.

Com o objetivo de contribuir para a melhoria da produção agrícola de soja brasileira, este trabalho teve dois objetivos principais: teórico e prático. Do ponto de vista teórico, este trabalho avalia os problemas encontrados na construção dos descritores, permitindo que estes fossem mais representativos e efetivos. Para tanto, foram estudadas abordagens que incluem informações locais aos descritores, tais como as propostas por *Gemert et al* [63] que utiliza a atribuição leve ao vocabulário juntamente com a ambiguidade para se construir descritores que sejam mais discriminativos; e a proposta de *Jégou et al* [32] que utiliza a agregação de descritores de acordo com a distância às palavras visuais.

Do ponto de vista prático, este trabalho apresenta o desenvolvimento de um software para o reconhecimento de um conjunto de doenças foliares da cultura de soja, utilizando técnicas de visão computacional baseadas em descritores de pontos e histograma de palavras visuais. Essas informações tem como principal objetivo auxiliar agrônomos e produtores quanto a tomada de decisões visando o combate e a prevenção de doenças, tal como a aplicação de defensivo agrícolas em regiões precisas, a quantificação de danos e perdas para próximas safras, utilização de sementes tratadas, etc.

Este trabalho descreva uma abordagem que permite a atribuição de um descritor a mais do que uma palavra visual, através do cálculo de peso que o descritor exerce sobre a palavra

visual. O cálculo do peso leva em consideração a distância envolvida entre o descritor e as palavras visuais. Esse peso foi utilizado para a elaboração de um conjunto de técnicas que tomam como base o VLAD, são elas o VLAD-F que realiza a atribuição de cada descritor para todos os centroides, VLAD-PNC que atribui cada descritor a um conjunto $P$ de centroides e VLAD-VNNC que atribui cada descritor a um conjunto variável de centroides. Também são descritos neste trabalho, um conjunto de experimentos e seus respectivos resultados, que tomou como base dois bancos de imagens compostos amostras de folhas de soja doentes e sadias, sendo que a primeira foi construída com o auxilio de um *scanner* e a segunda foi obtida através de uma câmera.

Nos experimentos foram utilizados dois dos descritores de pontos locais mais conhecidos na literatura, o SIFT e o SIFT Denso. Também foi utilizado ao algoritmo de agrupamento *K-means*, e para classificar as imagens foi utilizado o classificador *Linear Support Vector Machine* - SVM Linear [39], por ser simples, intuitivo e fornecer resultados fáceis de serem interpretados. Como métricas de avaliação foram calculadas as média dos percentuais de acerto, o desvio padrão e a matriz de confusão para as técnicas propostas.

De maneia geral as técnicas propostas obtiveram resultados superiores as existentes na literatura, para ambas as bases de imagens. E revelaram que a inclusão de informações locais aos descritores de características melhora o desempenho no reconhecimento de doenças foliares da cultura de soja. Além disso, especificadamente com relação a segunda base de imagens as técnicas demonstraram resultados promissores quanto a sua aplicação em problemas reais, visto que esta base representa de maneira mais fiel as condições existentes nos cultivos.

## 1.2 Trabalhos Correlatos

Nesta seção são descritos os principais trabalhos que estenderam o BoVW, construindo métodos mais representativos (veja Tabela 1.1).

Tabela 1.1: Trabalhos que promoveram extensões nas técnicas de classificação de imagens a partir do BoVW.

| **Autor** | **Ano** | **Título** |
|---|---|---|
| **Lazebnik, Svetlana and Schmid, Cordelia and Ponce, Jean** | 2006 | Beyond bags of features: Spatial pyramid matching for recognizing natural scene categories |
| **Perronnin, Florent and Dance, Christopher and Csurka, Gabriela and Bressan, Marco** | 2006 | Adaptedvocabularies for generic visual categorization |
| **Moosmann, Frank and Triggs, Bill and Jurie, Frederic** | 2007 | Fast discriminative visual codebooks using randomized clustering forests |
| **van Gemert, Jan C and Veenman, Cor J and Smeulders, Arnold WM and Geusebroek, J-M** | 2010 | Visual word ambiguity |
| **Jégou, Herve and Douzé, Matthijs and Schmid, Cordelia and Pérez, Patrick** | 2010 | Aggregating local descriptors into a compact image representation |
| **Wang, Jinjun and Yang, Jianchao and Yu, Kai and Lv, Fengjun and Huang, Thomas and Gong, Yihong** | 2010 | Locality-constrained linear coding for image classification |
| **Afonso, Luis Claudio Sugi** | 2012 | Composição de dicionários visuais utilizando agrupamento de dados por Florestas de Caminhos Ótimos |

Lazebnik *et al* [36] apresentam um método para realizar a categorização de imagens com base na correspondência geométrica global. Esta técnica funciona dividindo a imagem em sub-regiões cada vez menores e computando um histograma das informações locais encontradas dentro de cada sub-região. A pirâmide espacial resultante é uma extensão simples e computacionalmente eficiente do BoVW [15], que mostrou ser significativamente melhor na tarefa de categorização, fornecendo uma informação espacial grosseira ao BoVW. Em seus experimentos o método proposto se mostrou superior ao estado da arte, quando avaliado no banco de dados do Caltech-101 e atingiu alta precisão em um banco de quinze categorias de cenas [21]. Apesar da melhoria nos resultados, está abordagem não é invariante a rotação, pois permite que um mesmo objeto esteja presente em uma imagem com orientações diferentes.

Perronnin *et al* [47] propuseram a realização de uma categorização visual genérica, *Generic Visual Categorization* (GVC), que é baseado na construção de um vocabulário universal que descreva todas as classes de imagens e de um conjunto de vocabulários das classes das imagens, obtido através da adaptação do vocabulário universal para uma classe especifica de imagens. Onde cada histograma obtido, descreve se a imagem é apropriadamente modelada pelo vocabulário universal ou corresponde a um vocabulário adaptado especifico. Perronnin *et al* [47] realizou experimentos em 3 bancos de dados diferentes, o banco de dados *in-house* de cenas, o banco de dados LAVA7 também conhecido como *Xerox7* [69] e a base de dados de *Wang* [11]. Os resultados obtidos demonstraram que essa abordagem de vocabulário universal ou vocabulário das classes correspondentes, superou as abordagens do estado da arte que caracterizam uma imagem por um único histograma.

Em seu trabalho, Moosmann *et al* [42] propuseram uma nova abordagem para a construção do vocabulário de palavras visuais através de uma floresta de agrupamentos randômicos. Esta abordagem se mostrou superior a codificação utilizando o *k-means*, pois forneceu um conjunto de palavras visuais mais discriminativo e resistente a ruídos. O método proposto primeiramente constrói um conjunto de árvores de decisão randômicas para predizer rótulos de classes para os vetores de descritores visuais e com os rótulos obtidos é construída a floresta. No método as árvores transformam cada descritor em um conjunto de índices de nós folhas de todas as árvores. Os votos para cada índice são acumulado para construir um histograma global que é utilizado na classificação.

Gemert *et al* [63] utilizam a chamada atribuição leve ao vocabulário visual que tem apresentado resultados superiores à atribuição rígida. Além disso, seu trabalho introduz o emprego da ambiguidade que também apresenta uma melhora no desempenho da identificação. Por meio da ambiguidade, tem-se um maior nível de representação de cada imagem, enriquecendo o vetor de características e acarretando em um melhor desempenho na etapa de classificação [63]. Ambiguidade pode ser modelada por diferentes métricas de similaridade, em que considera-se que um descritor pode ser semelhante a mais de uma palavra visual e tal semelhança pode ser representada por um intervalo normalizado entre -1 e 1. Em seu trabalho ele realizou a comparação entre quatro formas de atribuição: tradicional, aplicação de um Kernel, a ambiguidade *Codeword Uncertainty* e a ambiguidade *Codeword Plausibility*. A ambiguidade pela *Codeword Uncertainty* permite que um ponto seja atribuído a mais do que uma uma palavra visual com base no cálculo da silhueta. Já a ambiguidade pela *Codeword Plausibility* atribuem o melhor candidato com base na silhueta.

Jégou *et al* [32] propuseram o *Vector of Locally Aggregated Descriptors* (VLAD) que deriva do BoVW [15] e do kernel de *Fisher* [46], para fornece uma representação vetorial da imagem agregando os descritores com base em critérios de localidade. No método proposto os descritores são construídos a partir dos pontos de interesse da imagem, e um vocabulário de palavras visuais é obtido. Em seguida, cada descritor é associado a palavra visual mais pró-

xima através do método de vizinhos mais próximos, e é calculada a diferença entre o descritor e a palavra visual. A diferença entre cada palavra visual e seus descritores é acumulada para construir o descritor final. Em seus experimentos Jégou *et al* [32] demonstraram que o VLAD supera o BoVW para conjuntos de mesmo tamanho.

No trabalho de *Wang et al* [65], eles apresentam um esquema de codificação de características chamado *Locality-constrained Linear Coding* (LLC) que utiliza limitações de localidade para projetar cada descritor em seu sistema de coordenada local e é baseado no estudo feito por Yu *et al* [68]. Esta abordagem visa fornecer representações que funcionam melhores com classificadores lineares e permitem uma maior escalabilidade. Entre as principais propriedades do LLC estão a melhor reconstrução, dispersão local suave e solução analítica. Os resultados experimentais demonstraram que a representação final gerada por meio de código LLC conseguiu uma precisão de classificação de imagem notável, mesmo com um classificador SVM linear, além de ter apresentado baixa complexidade analítica.

Luis C. S. [2] propôs um método para encontrar o dicionário de maneira automática empregando um algoritmo baseado em grafos denominado Floresta de Caminhos Ótimos, o qual não necessita da dimensão do dicionário para encontrá-lo. Em seus experimentos Afonso utilizou 3 bases (*ETH80, Fish cells e Tropical Fruits*) e comparou as técnicas *k-means*, seleção aleatória e OPF não-supervisionado. Primeiramente foram extraídos os descritores SIFT [40] e SURF [5]. Após a extração dos descritores foram calculados os dicionários visuais utilizando as 3 técnicas e a avaliação foi realizada por meio de medições do tempo necessário para a geração de cada dicionário. Os resultados demonstraram que o algoritmo Floresta de Caminhos Ótimos é uma alternativa a ser empregada no BoVW, uma vez que as taxas de acerto são similares às demais técnicas, possui vantagem quando dicionários de alta dimensão devem ser calculados e, principalmente, não necessita que a dimensão do dicionário visual seja definido *a priori*.

## 1.3 Objetivos

### 1.3.1 Geral

Promover um conjunto de melhorias nos algoritmos de classificação de imagens que utilizam técnicas baseadas em descritores de pontos e histograma de palavras de visuais, possibilitando que estes sejam mais discriminativos e permitir a sua aplicação na identificação de doenças foliares na cultura da soja, como a Ferrugem Asiática, o Míldio, a Mancha Parda e a Mancha Olho de Rã.

### 1.3.2 Específicos

- Levantamento e construção de um banco de imagens com doenças foliares na cultura da soja;
- Propor um método que permita a inclusão de informações locais dos descritores de pontos através da atribuição leve;
- Implementação e validação do método proposto tendo como base o VLAD [32];
- Aplicação do método proposto no reconhecimento de doenças foliares na cultura de soja;
- Comparação dos resultados obtidos para o reconhecimento de doenças foliares da cultura da soja.

## 1.4 Estrutura do Texto

No Capítulo 1 foram apresentadas as motivações e objetivos deste trabalho. No Capítulo 2 é apresentada uma descrição sobre a soja, os ciclo de vida da planta, a descrição das doenças foliares da cultura de soja mais presentes no Brasil. O Capítulo 3 apresenta a Visão Computacional no contexto da agricultura e as principais técnicas envolvidas para realizar a extração de descritores locais, o SIFT [40] e o SIFT Denso [38]; o histograma de palavras visuais [15]; a técnica do VLAD.

No Capítulo 4 são descritas as abordagens propostas para solucionar o problema de inclusão de informações locais aos descritores, é apresentada uma solução baseada no cálculo de pesos proporcionais a distância envolvida entre o descritor e as palavras visuais, também são descritas as técnicas VLAD-F,VLAD-PNC e VLAD-VNNC que utilizam a atribuição de um descritor a mais do que uma palavra visual.

No Capítulo 5 são descritos os experimentos e resultados obtidos pelas técnicas propostas que utilizam a atribuição dos descritores com base no cálculo de pesos. Por fim, no Capítulo 6 são discutidas as conclusões deste trabalho e apresentados alguns trabalhos futuros.

CAPÍTULO

# 6

# Conclusão

Neste trabalho foi proposto um conjunto de melhorias nos algoritmos de classificação de imagens que permitiram a sua aplicação no reconhecimento de doenças foliares da cultura de soja em imagens de lavouras. Foram propostas abordagens baseadas no Histograma de Palavra Visuais (BoVW) e nos Vetores Localmente Agregados (VLAD), que possibilitaram a inclusão de informações locais adicionais aos descritores das imagens. Foi aplicado o cálculo de pesos para cada descritor com relação as palavras visuais e os descritores foram atribuídos aos centroides em que exercessem maior peso.

As técnicas foram avaliadas sobre dois bancos de imagens compostos por amostras de doenças foliares da soja. Sendo que, o primeiro banco é composto por 1200 imagens obtidas com o auxilio de um *scanner*, e o segundo é composto por 7584 imagens obtidas através de uma câmera em campos de experimentos. Foram utilizados os descritores de pontos locais SIFT e SIFT Denso, para obter e descrever os pontos de interesse nas imagens, em seguida foi utilizado o algoritmo de agrupamento *K-means* para a construção dos vocabulários visuais. Após esta etapa foram realizados os cálculos de peso dos descritores e as atribuições de acordo com a técnica aplicada.

Os resultados experimentais demonstraram que a inclusão de informações espaciais locais aos descritores melhora o desempenho na tarefa de reconhecimento e classificação de doenças foliares da cultura de soja. Dentre as técnicas propostas VLAD-PNC e VLAD-VNNC obtiveram os melhores desempenhos para ambas as bases e com ambos os descritores, superando as técnicas propostas na literatura BoVW e VLAD.

Os resultados também comprovaram que o descritor de pontos locais SIFT Denso superou de maneira geral o SIFT. A exceção foi observada no VLAD-F, que teve resultados inferiores na maioria dos testes. Isso ocorreu pois o SIFT Denso extrai um conjunto maior de pontos de interesse para serem descritos localmente, desta forma o *K-means* com mais pontos consegue representar mais adequadamente o vocabulário. Para o primeiro banco de imagens, o SIFT Denso extraiu 2209 pontos por imagem do banco, enquanto que o SIFT extraiu em média 354. Para a segunda base, o SIFT Denso extraiu, novamente, 2209 pontos por imagens, e o SIFT obteve em média 191 pontos.

Na primeira base de imagens o VLAD-VNNC utilizando o SIFT Denso e um vocabulário de 256 palavras atingiu 97.68% de acerto na classificação. Resultado pouco superior ao obtido

pelo VLAD-PNC, também com o descritor de pontos SIFT Denso e um vocabulário composto por 128 palavras visuais que obteve 97.40% de taxa de acerto na classificação. Na segunda base de imagens, Plant Village, o VLAD-VNNC obteve uma taxa de acerto de 92.95%, utilizando o descritor local SIFT Denso com um vocabulario de 512 palavras. Por outro lado, o VLAD-PNC alcançou 91.98%, com o descritor SIFT Denso e um vocabulário de 512 palavras.

Com base nos resultados obtidos na segunda base de imagens foi possível concluir que as técnicas tem aplicação para problemas reais, visto que está base simula mais fielmente as condições encontradas nos cultivos, que dificultam o processo de reconhecimento das doenças.

## 6.1 Trabalhos Futuros

Como proposta para trabalhos futuros, podemos elencar:

- Avaliar as técnicas propostas com relação a utilização de outros descritores de pontos locais, como por exemplo: SURF, PHOW, HOG e o LBP;
- Avaliar as técnicas propostas com relação a utilização de outros algoritmos de agrupamentos, como: GMM, Florestas de agrupamentos randômicos, Florestas de caminhos ótimos. Que tem demonstrados resultados promissores na substituição do *K-means*, pelo fato de não precisarem conhecer previamente o tamanho do vocabulário ($K$);
- Desenvolver um módulo que permita identificar e analisar a severidade das doenças foliares, possibilitando a padronização do processo que hoje, é realizado visualmente por especialistas da área estando sujeito a subjetividade;
- Aplicar e avaliar o método proposto para outras culturas como: laranja, cana-de-açúcar, milho, algodão. Visto que estas culturas estão muito presentes no ambiente agrícola de nosso país e demandam cuidados com relação a perdas provocadas por doenças.

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## Processo de escolha de nova gestão está em curso na Instituição

4 e 5



## Assuntos negligenciados na Medicina foram tema de jornada



3

## Researchers use images for improvements in the field



Photo: Gercina Gonçalves da Silva

The registration of images of diseased and healthy leaves was the starting point for a group of researchers from Federal University of Mato Grosso do Sul (UFMS) and other institutions. The objective was to create an image database so that, through computer vision, pests could be recognized in soybean crops. Three diseases were registered, and initial experiments with more than 1,200 images yielded positive results, with a recognition accuracy exceeding 99%.

7

## Primeiro campo agrostológico de MS está na Famez



3

## Incubadora Tecnológica implementa Mercado-escola

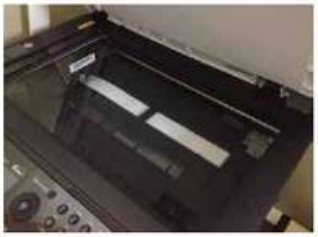


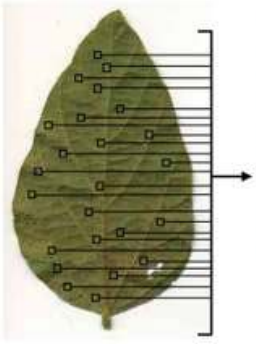
3

# Image Texture Analysis Aims to Detect Diseases in the Crop



Photo: Gercina Gonçalves da Silva
Foto: Gercina Gonçalves da Silva





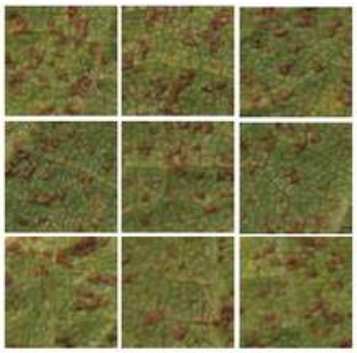


Chart: Bruno Brandoli

(1) Leaf scanning (2) Selection of texture samples (3) Set of texture samples

**Current management of detection is costly and tedious; the new approach aims to automate the practice and enhance soybean planting, with the application of pesticides only in the affected areas.**

The objective of a group of researchers from the University is to build a computer vision system to automate the identification of soybean diseases through leaf image analysis. To achieve this, students and professors from UFMS and other teaching and research institutions in the state captured images and registered both diseased and healthy ones. Three diseases were classified: rust, anthracnose, and mildew. The research is linked to the Ponta Porã campus.

According to the coordinator of the research project, Professor Wesley Nunes Gonçalves, with 1,200 images captured, the tests performed were satisfactory, since "the computer vision system recognizes these four classes (3 diseases and healthy) with an accuracy exceeding 99%," he states. The activities were carried out at the São José farm of the Dom Bosco Catholic University (UCDB).

In addition to the coordinator, researchers from the Computing area participate in the study: Amaury Antônio de Castro Junior, Bruno Brandoli Machado, and Jonathan de Andrade Silva, from UFMS; Hemerson Pistori from UCDB; and André Ricardo Backes from the Federal University of Uberlândia (UFU); from the Agronomy and Biology area: Denilson de Oliveira Guilherme and Josimara Nolasco Rondon from UCDB; and Matheus Bornelli de Castro from the Federal Institute of Mato Grosso do Sul; and also the graduate students Gercina Gonçalves da Silva, Jonatan Patrick Margarido Oruê, and Rillian Diello Lucas Pires from the master's program; Lucas Abreu da Silva and Reinaldo Felipe Soares Araujo as scholarship holders of the Undergraduate Research Scholarship Program (PIBIC); and Diogo Nunes Gonçalves and Neemias Buceli da Silva, who are developing their undergraduate theses in the area.

The project, titled "Detection of Diseases in Soybean Crops Using Image Texture Analysis," began in 2015 and is expected to be completed in 2017. The research received funding from the Foundation for Support to the Development of Education, Science, and Technology of the State of Mato Grosso do Sul (Fundect).

According to the coordinator, Professor Wesley, soybean production is one of the main segments of the Brazilian economy, standing out for its representativeness in the composition of the GDP. However, the soybean crop is exposed to a series of challenges that can drastically reduce productivity and economic gains, such as diseases and pest attacks.

To increase productivity, it becomes necessary to develop new technologies to assist current management, for example, technologies to minimize the impact of diseases in the crop. "Currently, a specialist needs to walk through the crop and visually identify the presence of diseases, which is a costly and tedious management process.

The idea of the system is to automate using images that can be captured by cell phone or drone and, with this, map the regions of the crops that are affected. Thus, the farmer can apply pesticides only to the affected regions, reducing costs and the impact on the environment. The utilization of the proposed system can reduce investment losses in the crop caused by diseases through real-time decision-making, expanding the productive potential and revenue of the state of Mato Grosso do Sul."

The initial results of the research were published in the journal Computers and Electronics in Agriculture, prestigious in the area of computing and agriculture. The next steps of the project are to include new diseases and increase the quantity of images captured. "The inclusion of new diseases should challenge the proposed method, making its improvement possible," concludes the professor.

## Incubadora lança o projeto "Mercado-Escola UFMS"



**I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.**

Marina Viana

**Date: September 10, 2026**

FUNDAÇÃO UNIVERSIDADE FEDERAL DE MATO GROSSO DO SUL

Jornal UFMS

Edição 57 Ano XIV Campo Grande - MS Agosto de 2016

# Processo de escolha de nova gestão está em curso na Instituição



No dia 4 de agosto será realizada na UFMS a consulta à comunidade sobre as candidaturas aos cargos de Reitor e Vice-Reitor. Podem votar 16.817 estudantes de graduação presencial e a distância, 2.002 técnicos administrativos e 1.509 docentes de todos os 11 câmpus da Instituição. Após consulta à comunidade, o Colégio Eleitoral, por meio de votação uninominal, elabora a lista tríplice com os nomes dos candidatos e seus respectivos Índices de Votos de Candidato apresentados em ordem decrescente. Em seguida a Lista é submetida ao Ministério da Educação (MEC) para que a Presidência da República nomeie os novos Reitor e Vice-Reitor. O Colégio Eleitoral da UFMS disponibiliza todas as informações sobre o processo de escolha da nova administração no site: http://colegioeleitoral.sites.ufms.br/.

4 e 5

## Assuntos negligenciados na Medicina foram tema de Jornada



Com uma programação diversificada com minicursos e palestras a XXIII Jornada Acadêmica de Medicina discutiu o tema Medicina Negligenciada. O objetivo foi trazer à tona temas que nem sempre são amplamente abordados nas grades da graduação, como obesidade infantil, microcefalia, surdez, aborto, entre outros. Alguns dos minicursos foram "Nós e Suturas", "Enxertos e Retalhos" e "Atendimento ao politraumatizado: pré e intra-hospitalar".

6

## Pesquisadores utilizam imagens para melhorias no campo



Foto: Gercina Gonçalves da Silva

O cadastramento de imagens de folhas doentes e saudáveis foi o ponto inicial de um grupo de pesquisadores da UFMS e de outras instituições. O objetivo foi criar um banco de imagens para que por meio de visão computacional fossem reconhecidas pragas na plantação de soja. Foram cadastradas três doenças e as experiências iniciais com mais de 1.200 imagens renderam resultados positivos, com um reconhecimento de precisão superior a 99%.

7

## Primeiro campo agrostológico de MS está na Famez

A Faculdade de Medicina Veterinária e Zootecnia sedia o primeiro campo agrostológico do estado. O espaço abriga várias espécies de plantas forrageiras e tóxicas, estudadas com o intuito de aprimorar diagnósticos nas propriedades onde ocorre morte bovina por intoxicação. O canteiro possui em média 25 espécies que foram selecionadas de acordo com um mapeamento das plantas do estado. O coordenador é o professor Ricardo Antônio Amaral de Lemos.



8

## Incubadora Tecnológica implementa Mercado-escola

O projeto de extensão Incubadora Tecnológica de Cooperativas Populares visa à socializar o conhecimento junto aos setores populares por meio do apoio necessário para o início, desenvolvimento e/ou reciclagem de cooperativas ou grupos de trabalho associativo. Para fomentar a comercialização de produtos da agricultura familiar e criar um espaço de ensino-aprendizado e troca de experiências, a incubadora lançou o projeto Mercado-escola.

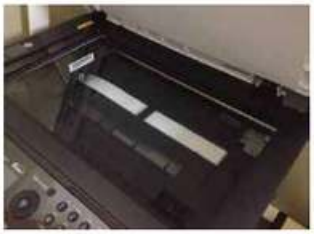


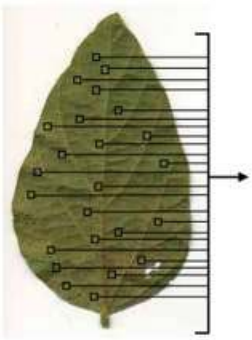
7

# Análise de textura de imagens visa a detectar doenças na lavoura



Foto: Gercina Gonçalves da Silva





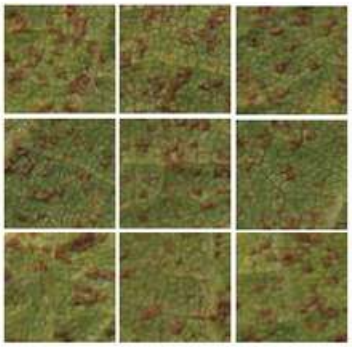


Gráfico: Bruno Brandoli

(1) Escaneamento das folhas (2) Seleção de amostras de textura (3) Conjunto de amostras de textura

**Manejo atual da detecção é custoso e cansativo, nova forma visa a automatização da prática e a potencialização do plantio da soja, com a aplicação de defensivos somente nas áreas afetadas.**

O objetivo de um grupo de pesquisadores da Universidade é construir um sistema de visão computacional para automatizar a identificação de doenças de soja por meio da análise de imagens das folhas. Para isso, acadêmicos e professores da UFMS e de outras Instituições de ensino e pesquisa do estado capturaram imagens e cadastraram as doentes e as saudáveis. Foram classificadas três doenças: ferrugem, antracnose e míldio. A pesquisa está vinculada ao câmpus de Ponta Porã.

De acordo com o coordenador do projeto de pesquisa, professor Wesley Nunes Gonçalves, com 1200 imagens capturadas, os testes realizados foram satisfatórios, pois "o sistema de visão computacional reconhece essas quatro classes (3 doenças e sadia) com precisão superior a 99%", afirma. As atividades foram realizadas na fazenda São José da Universidade Católica Dom Bosco (UCDB).

Além do coordenador, participam do estudo os pesquisadores da área de Computação: Amaury Antônio de Castro Junior, Bruno Brandoli Machado e Jonathan de Andrade Silva, da UFMS, Hemerson Pistori da UCDB e André Ricardo Backes da Universidade Federal de Uberlândia (UFU); da área de Agronomia e Biologia: Denilson de Oliveira Guilherme e Josimara Nolasco Rondon da UCDB e Matheus Bornelli de Castro do Instituto Federal de Mato Grosso do Sul; e ainda os acadêmicos Gercina Gonçalves da Silva, Jonatan Patrick Margarido Oruê e Rillian Diello Lucas Pires do mestrado; Lucas Abreu da Silva e Reinaldo Felipe Soares Araujo como bolsistas do Programa Institucional de Bolsas de Iniciação Científica (PIBIC) e Diogo Nunes Gonçalves e Neemias Buceli da Silva que desenvolvem trabalhos de conclusão de curso na área.

O projeto, intitulado "Detecção de Doenças em Lavouras de Soja usando Análise de Textura em Imagens", teve início em 2015 e tem previsão de término em 2017. A pesquisa recebeu recursos da Fundação de Apoio ao Desenvolvimento do Ensino, Ciência e Tecnologia do Estado de Mato Grosso do Sul (Fundect).

Segundo o coordenador, professor Wesley, a produção de soja é um dos principais segmentos da economia brasileira, destacando-se por sua representatividade na composição do PIB. Todavia a cultura da soja está exposta a uma série de desafios que podem reduzir drasticamente a produtividade e os ganhos econômicos, como doenças e ataques de pragas.

Para aumentar a produtividade, torna-se necessário o desenvolvimento de novas tecnologias para auxiliar o manejo atual, por exemplo, tecnologias para minimizar a atuação de doenças na lavoura. "Atualmente, um especialista precisa percorrer a lavoura e identificar visualmente a presença de doenças, sendo um manejo custoso e cansativo. A ideia do sistema é automatizar usando imagens que podem ser capturadas por celular ou drone e, com isso, mapear as regiões da plantação que estão afetadas. Assim, o agricultor pode aplicar os defensivos somente nas regiões afetadas, reduzindo os custos e o impacto no meio ambiente. A utilização do sistema proposto pode reduzir as perdas de investimentos na lavoura causadas por doenças através de tomadas de decisões em tempo real, ampliando o potencial produtivo e a receita do estado de Mato Grosso do Sul".

Os resultados iniciais da pesquisa foram publicados na revista Computers and Electronics in Agriculture, conceituada na área da computação e agricultura. Os próximos passos do projeto são incluir novas doenças e aumentar a quantidade de imagens capturadas. "A inclusão de novas doenças deve desafiar o método proposto, tornando possível o seu aprimoramento", finaliza o professor.

# Incubadora lança o projeto 'Mercado-Escola UFMS'

A coordenação do projeto de Extensão: "Incubadora tecnológica de Cooperativas Populares (ITCP/UFMS)" apresentou no dia 14 de julho, na sala de Atos da Reitoria, o projeto: "Mercado Escola UFMS".

De acordo com a coordenadora do projeto, Mirian Coura Aveiro, o espaço é uma demanda dos grupos incubados pela UFMS e tem como objetivo fomentar a comercialização de produtos saudáveis da agricultura familiar e criar um espaço de ensino aprendizado e troca de experiências entre os produtores e a academia. "A obra será financiada com emenda parlamentar e terá inicio ainda em 2016", revela.

A Incubadora Tecnológica de Cooperativas Populares ITCP-UFMS é um projeto de extensão da Universidade Federal de Mato Grosso do Sul que presta serviços necessários para o início, desenvolvimento e/ou reciclagem de cooperativas ou grupos de trabalho associativo, denominados de Empreendimentos de Economia Solidária – EES. É uma linha de extensão universitária que disponibiliza um núcleo básico interdisciplinar formado pelo quadro: docente, acadêmico e técnico, buscando assim socializar o conhecimento da academia junto aos setores populares, para que consigam não só uma melhor inserção social no plano de trabalho como avançar na conquista da cidadania plena.









**Apresentação do projeto Mercado-Escola aconteceu na Sala de Atos com a presença de servidores e produtores**

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Build a career you love

Senior Engineer
Brazil

Home Career explorer Senior Engineer salary

# Senior Engineer salary in Brazil

How much does a Senior Engineer make in Brazil?

Average base salary

**R$ 169,166**

Pay by: Year

The salary range for a senior engineer is R$ 169,166 per year in Brazil. 128 salaries reported. Updated on September 1, 2026

## Senior Engineer jobs open in Brazil

**Senior/Software Engineer...**
Appmax **3.3**
Remote
3 weeks ago

**ENGINEERING TECHNICIAN**
Jobbol **4.4**
Niterói, Rio de Janeiro
R$ 5,966.75 per month
Full-Time
1 month ago

## Top paying companies for Senior Engineers in Brazil

The average annual salary is based on job advertisements posted on Indeed over the past 36 months.

**Bureau Veritas**
**R$ 240,000** per year
View company

**Novo Tempo Consultoria e RH**
**R$ 240,000** per year
View company

**INTERTECHNE Consultores S.A**

**R$ 234,000** per year

View company

**Cobrape**

**R$ 228,000** per year

View company

**Petrobras**

**R$ 225,750** per year

View company

**SAP**

**R$ 209,667** per year

View company

## Cities with the highest salaries for Senior Engineer near Brazil

**São José dos Campos, São Paulo**
R$ 247,160 per year
4 salaries reported

**Rio de Janeiro, Rio de Janeiro**
R$ 210,374 per year
9 salaries reported

**Parauapebas, Pará**
R$ 198,134 per year
4 salaries reported

**Campinas, São Paulo**
R$ 184,424 per year
8 salaries reported

**São Paulo, São Paulo**
R$ 180.929 per year
23 salaries reported

Show more nearby cities

## Where does a Senior Engineer earn the most?

Compare salaries for a Senior Engineer in different locations

**Enter first location**

Enter a location

x

**Enter second location**

Enter a location

Compare

## Frequently asked questions about Senior Engineers

**What is the average salary for a Senior Engineer in Brazil?**

**What is the salary range for a Senior Engineer?**

**Which cities pay the most for Senior Engineers?**

**Which companies pay the highest salaries for Senior Engineers?**

## How much do people in roles similar to Senior Engineer earn in this location: Brazil?

**Engineer**

Job Openings

**Average of R$ 7,470 per month**


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I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 15, 2026.

indeed Acessar

Construa uma carreira que você ame

Engenheiro Sênior
Brasil

Página inicial Navegador de carreiras Salário de Engenheiro Sênior

## Salário de Engenheiro sênior para Brasil

Quanto ganha uma pessoa no cargo de Engenheiro Sênior na localidade de Brasil?

Salário-base médio

**R$ 169.166** Pagar por: Ano

A faixa salarial para o cargo de engenheiro sênior é de R$ 169.166 por ano para Brasil. 128 salários informados. Atualização em 1 de setembro de 2026

## Vagas de Engenheiro Sênior abertas para Brasil

**Software Engineer Pleno/Senior...**
Appmax **3.3** ★
Remoto
3 weeks ago

TÉCNICO DE ENGENHA
Jobbol 4.4 ★
Niterói, RJ
R$ 5.966,75 por mê
Tempo integral
1 month ago

## Empresas com os maiores salários para Engenheiro Sênior em Brasil

O salário médio de ano baseia-se nos anúncios de vaga de emprego feitos no Indeed nos últimos 36 meses.

**Bureau Veritas**
R$ 240.000 por ano
Ver empresa

**Novo Tempo Consultoria e RH**
R$ 240.000 por ano
Ver empresa

**INTERTECHNE Consultores S.A**

R$ 234.000 por ano

Ver empresa

Cobrape

R$ 228.000 por ano

Ver empresa

Petrobras

R$ 225.750 por ano

Ver empresa

SAP

R$ 209.667 por ano

Ver empresa

## Cidades com os maiores salários para o cargo de Engenheiro Sênior perto da localidade de Brasil

**São José dos Campos, SP**
R$ 247.160 por ano
4 salários informados

**Rio de Janeiro, RJ**
R$ 210.374 por ano
9 salários informados

**Parauapebas, PA**
R$ 198.134 por ano
4 salários informados

**Campinas, SP**
R$ 184.424 por ano
8 salários informados

**São Paulo, SP**
R$ 180.929 por ano
23 salários informados

Mostrar mais cidades próximas

## Onde o cargo de Engenheiro Sênior ganha mais?

Compare salários para o cargo de Engenheiro Sênior em diferentes locais

**Insira o primeiro local**

Insira um local

x

**Insira o segundo local**

Insira um local

Comparar

## Perguntas frequentes sobre Engenheiro Sênior

**Qual é o salário médio para um/uma Engenheiro Sênior em Brasil?**

**Qual é a faixa salarial para um/uma Engenheiro Sênior?**

**Quais cidades pagam mais para Engenheiro Sênior?**

**Quais empresas pagam os maiores salários para Engenheiro Sênior?**

## Quanto ganham pessoas com cargos similares a Engenheiro Sênior neste local: Brasil?

**Engenheiro**

Vagas abertas

**Média de R$ 7.470 por mês**


© 2026 Indeed

# C.II – Second Prong: Letters of Support

April 06th, 2026
To the USCIS Immigration Officer,

My name is Guilherme Benites, and I am currently a Senior Full Stack Developer at Curotec, a U.S.-based technology company, where I have worked since March 2022. I hold a Bachelor of Computer Science from the Federal University of Mato Grosso do Sul (UFMS), earned in 2012. Prior to my current role, I served as Project Coordinator at Before IT from April 2017 to November 2020, where I managed cross-functional development teams of more than 20 professionals on national-level technology projects. My professional background spans backend and frontend engineering, cloud infrastructure, agile methodologies, and technical team leadership, giving me a well-grounded perspective for evaluating the capabilities of software engineers working in complex, high-demand environments.

I first met Mr. Rillian Diello Lucas Pires during our undergraduate years at UFMS, where I completed my degree in 2012 and he concluded his studies in 2014. We reconnected in mid-2017, when Mr. Pires had recently completed his Master's degree and was entering the professional market. At that time, I was leading the engineering team at Before IT and had the opportunity to personally select him through a competitive process that included structured interviews and practical technical assessments. He performed with distinction at every stage and was subsequently hired. For the entirety of his tenure at Before IT, which spanned more than two years, he worked under my direct supervision and progressively became one of the most technically capable members of my team.

What distinguished Mr. Pires from the outset was not simply his foundational knowledge, but his capacity to absorb and operationalize new technologies at a pace that was uncommon even among experienced professionals. The most illustrative example of this was his assignment as the technical lead for one of the most critical integrations in our operation: a Web Scraping engine, a system designed to automatically collect and process large volumes of structured data from external sources, developed in Node.js, a server-side JavaScript runtime environment. Mr. Pires had no prior production experience with this technology at the time of the assignment. Within a short period, he not only assumed full ownership of the project but also optimized the existing codebase, improving both the performance and the accuracy of the collected data. The system operated under his supervision with complete availability, and the quality of the data it produced directly supported the company's pricing and inventory decision-making processes, resulting in measurable improvements in product conversion outcomes.

Beyond the technical execution itself, Mr. Pires demonstrated a level of institutional responsibility that I rarely observed in professionals at his career stage. He

developed a comprehensive API documentation guide, a structured technical reference that described the integration's architecture, endpoints, and operational logic in precise, accessible terms. This document became the standard reference for the entire engineering team and remained in active use long after his departure, eliminating the knowledge gaps that typically arise during team transitions and significantly reducing the onboarding time required for new engineers joining the project. His ability to decompose complex automation processes into maintainable, well-documented solutions reflects a systems-level thinking that is essential in environments where scalability and continuity are non-negotiable.

Mr. Pires also took on responsibilities that extended well beyond individual feature development. He led the technical evaluation and selection of new interns and junior collaborators, designed and executed structured onboarding and training programs, and contributed to architectural decisions that affected the broader engineering operation. His capacity to operate simultaneously as a technical executor, a knowledge organizer, and a team developer placed him in a category of professional maturity that is genuinely rare. The combination of rapid learning, analytical precision, and a consistent focus on long-term operational quality defines a profile that I would recommend without reservation to any organization or leader seeking a software engineer capable of delivering results in technically demanding and evolving environments.

Sincerely,



**Guilherme Benites**
Senior Full Stack Developer, Curotec
guilherme.rebello91@gmail.com
+55 67 99944-0305

## Contact

www.linkedin.com/in/guilherme-benites-39639233 (LinkedIn)

## Key competencies

Next.js

Vue.js

Tailwind CSS

## Languages

Portuguese (Native or Bilingual)

English (Native or Bilingual)

# Guilherme Benites

Full Stack Developer @ Curotec | PHP Laravel | React | Vue.js | Next.js | Docker

Campo Grande, Mato grosso do Sul, Brazil

## Work Experience

### Curotec

Full Stack Developer

March 2022 - Present (4 years)

Full-stack development utilizing the following technologies:

- PHP
- Laravel
- Vuejs
- Tailwind CSS
- Mysql
- Livewire
- Inertiajs
- Docker

### Wing Solutions

Senior Software Engineer II

November 2020 - March 2022 (1 year, 5 months)

Campo Grande, Mato Grosso do Sul, Brazil

Full-stack development utilizing the following technologies:

- PHP
- Laravel
- ReactJs
- Tailwind CSS
- Mysql
- NodeJS
- Nextjs

### Before

4 years, 4 months

Project coordinator

April 2017 - November 2020 (3 years, 8 months)

Campo Grande Area, Brazil

### Systems Developer
August 2016 - April 2017 (9 months)
Campo Grande Area, Brazil

Backend:

- PHP
- Laravel
- MySQL
- AWS

Frontend:

- Vuejs
- HTML/CSS

Development through agile methodologies Kanban and Scrum.

### SGI
Junior Systems Analyst
September 2015 - July 2016 (11 months)

Back-end development in Java EE 6

### LEDES
Software Developer
July 2013 - August 2015 (2 years, 2 months)

Back-end development in pure PHP.

### Federal University of Mato Grosso do Sul (UFMS)
Student
February 2009 - March 2013 (4 years 2 months)

---

## Academic Background

### Federal University of Mato Grosso do Sul
Bachelor's Degree in Computer Science, Computer Science · (2009 - 2012)

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 15, 2026.

## Contato

www.linkedin.com/in/guilherme-benites-39639233 (LinkedIn)

## Principais competências

Next.js

Vue.js

Tailwind CSS

## Languages

Português (Native or Bilingual)

Inglês (Native or Bilingual)

# Guilherme Benites

Full Stack Developer @ Curotec | PHP Laravel | React | Vuejs | Nextjs | Docker

Campo Grande, Mato Grosso do Sul, Brasil

## Experiência

### Curotec

Full Stack Developer

março de 2022 - Present (4 anos)

Desenvolvimento full-stack utilizando as tecnologias:

- PHP
- Laravel
- Vuejs
- Tailwind CSS
- Mysql
- Livewire
- Inertiajs
- Docker

### Wing Solutions

Engenheiro de Software Senior II

novembro de 2020 - março de 2022 (1 ano 5 meses)

Campo Grande, Mato Grosso do Sul, Brasil

Desenvolvimento full-stack utilizando as tecnologias:

- PHP
- Laravel
- ReactJs
- Tailwind CSS
- Mysql
- Nodejs
- Nextjs

### Before

4 anos 4 meses

Coordenador de projetos

abril de 2017 - novembro de 2020 (3 anos 8 meses)

Campo Grande e Região, Brasil

Desenvolvedor de sistemas
agosto de 2016 - abril de 2017 (9 meses)
Campo Grande e Região, Brasil

Backend:

- PHP
- Laravel
- Mysql
- AWS

Frontend:

- Vuejs
- HTML/CSS

Desenvolvimento por meio de metodologia ágeis kanban e scrum.

SGI
Analista júnior de sistemas
setembro de 2015 - julho de 2016 (11 meses)

Desenvolvimento backend em Java EE 6

LEDES
Desenvolvedor de Software
julho de 2013 - agosto de 2015 (2 anos 2 meses)

Desenvolvimento backend em PHP puro.

UFMS
Estudante
fevereiro de 2009 - março de 2013 (4 anos 2 meses)

---

## Formação acadêmica

Universidade Federal de Mato Grosso do Sul
Bacharelado em Ciências da Computação, Ciências da Computção · (2009 - 2012)

May 12, 2026. São Paulo, Brazil.

To USCIS,

My name is Gabriel Bueno de Azevedo, and I have built my career as a software engineer specializing in full stack and backend development. I hold a Bachelor's degree in Computer Science from UNESP (Universidade Estadual Paulista Júlio Mesquita Filho), and over the past eight years, I have worked across a range of technology-driven environments involving internal integration tools, backend systems, frontend implementation, performance optimization, infrastructure modeling in AWS, and secure enterprise applications. My professional experience includes positions at Visual Systems, Pipter Points, Grupo GMalato, and INTI. Currently, I serve as a Senior Backend Developer at Deel, where I contribute to architecture decisions, cross-service integrations, project leadership, and the development of payment control systems in an international environment.

I first met Rillian Diello Lucas Pires in 2021, when I joined INTI as a Full Stack Developer, a technology startup that develops white-label digital payment and membership platforms, integrating scalable web systems, CRM tools, financial management solutions, and customized user interfaces for subscription, ticketing, and event management services. From the beginning, Mr. Pires became one of the primary technical references I could rely on for architectural discussions, complex troubleshooting, and professional guidance. Throughout our time working together, we collaborated on various system features, backend improvements, and performance optimization initiatives, which allowed me to closely observe both his technical capabilities and his leadership skills in practice. Over time, I came to regard Mr. Pires as a mentor due not only to his deep technical expertise, but also to his ability to communicate complex concepts clearly, provide guidance with professionalism, and build confidence within the team environment. Even after our collaboration at INTI, we have remained in professional contact, and he has continued to offer valuable insights regarding career development and opportunities within the international technology market.

During the time we worked together, Mr. Pires consistently distinguished himself through a rare combination of technical expertise, analytical thinking, and leadership capabilities. One of the clearest examples of his impact was his leadership in the migration of our payment communication system from a synchronous to an asynchronous architecture. In the original synchronous model, the platform depended on immediate responses from an external payment provider before processing operations, which created significant scalability limitations and performance bottlenecks during peak usage periods. Because delays or failures from a third-party provider directly affected the responsiveness of the entire platform, overcoming this limitation required substantial backend engineering knowledge and careful management of system reliability in a live production environment. Mr. Pires led the design and implementation of the new architecture,

including a feature flag rollout strategy that allowed the company to gradually validate the system across different client environments while minimizing operational risks. Following deployment, we observed substantial improvements in system stability, scalability, and recovery capabilities during failures involving the external payment service. The solution was rapidly adopted, reaching full implementation across all impacted companies in less than two months and permanently replacing the previous synchronous model.

Beyond the projects we worked on directly, Mr. Pires consistently demonstrated an exceptional ability to quickly understand highly complex systems, identify both technical and business limitations, and design scalable and reliable solutions. These qualities clearly place him among the most technically capable professionals with whom I have worked. From a technical perspective, he demonstrated strong command of a wide range of technologies and tools that were essential to our development environment, including PHP, Laravel, MySQL, Redis, and GitHub, as well as cloud infrastructure modeling. This technical depth was particularly evident in our collaboration on performance initiatives, where we utilized Redis as a cache layer for complex queries, resulting in a substantial improvement in system performance. What particularly distinguished Mr. Pires was not only his technical knowledge, but also his versatility in applying these tools to solve diverse engineering challenges efficiently and reliably.

Based on my direct professional experience working alongside Mr. Pires, I can state without hesitation that he possesses the technical expertise, leadership ability, and analytical mindset necessary to successfully lead highly complex software initiatives. Given his extensive experience, technical depth, and strong interpersonal skills, I am confident that he is well qualified to contribute to the development of innovative and impactful technology solutions in the United States. I strongly recommend Mr. Pires as an outstanding software engineering professional and would gladly work with him again in the future. I express my full support for this petition and remain available to provide any additional information if required.

Cordially,

Gabriel Bueno de Azevedo

Senior Full Stack Engineer at Deel

dev.gabriel.azevedo@gmail.com | (BR) +55 17 99139-3037

## Contact

www.linkedin.com/in/gabriel-bueno-de-azevedo-311468109 (LinkedIn)

## Key competencies

Matlab

TypeScript

Google Cloud Platform (GCP)

# Gabriel Bueno de Azevedo

Full Stack Developer | PHP | React | Vue | NodeJS

São José do Rio Preto, São Paulo, Brazil

## Summary

I consider extreme curiosity to be my greatest quality. I love tinkering with things to see how they work, a habit that greatly helps me understand other people's code, as well as learn new languages, technologies, and techniques.
I have experience working with PHP, vanilla JavaScript, React, and Node.js, with a strong focus on full-stack web development. Additionally, I have utilized both relational databases, such as MySQL, and non-relational databases, such as Firebase.
On the academic side, I have used C, C++, MATLAB, and Python, with the latter two applied to my master's degree.

## Work Experience

### INTI

Senior Full Stack Engineer

June 2021 - September 2023 (2 years, 4 months)

At INTI, my main role is to develop performance and security enhancements to the application.

Here are some things that I've done until now:

• Adapted existing features to an asynchronous model to improve performance.

• Implemented an automated end-to-end tests pipeline using Github Actions and Playwright.

• Implemented NextJS CI/CD using AWS Amplify.

• Developed multiple features on both sides of the application.

• Developed an device authentication system using existing algorithms mixed in a unique way to improve security and usability.

I am currently doing:

• Providing assistance with React to external teams.

• Developing a GraphQL API interface to our back-end services.

• Load-testing and improving overall system performance.

• Working closely with the DevOps team to improve system security.

### Grupo GMALATO
Full Stack Engineer
August 2020 - June 2021 (11 months)

At Grupo Gmalato, I worked on multiple projects with different team sizes.
I was responsible for:
• Developing front-end projects in direct contact with clients and back-end team.
• Main front-end engineer on a database backup system.
• Improving front-end performance by reducing rendering times and the amount of renderings made.
• Improving back-end API calls by reducing their response sizes.
• Providing assistance on back-end development.
• Helping junior developers with more difficult tasks and to plan new features.

### Pipter Points
Full Stack Engineer
September 2019 - April 2020 (8 months)
São José do Rio Preto Area, Brazil

At Pipter, I was working on a small team of 4 developers to develop the main product for a start up.
I was responsible for:
• Sole back-end developer, working closely with the owners to understand the product rules and implement them.
• Implemented front-end features for the main product.
• Developed a highly concurrent bidding game where users could use their points to win a real life product.
• Integrated product with PagSeguro's payment API.
• Provided assistance on creating a development environment for new features.
• Provided assistence to trainees.

### Visual Systems
Full Stack Engineer
March 2018 - September 2019 (1 year, 7 months)
São José do Rio Preto Area, Brazil

At Visual Systems, I was responsible for:
• Developing internal integration tools between Zabbix and Itop
• Developing front-end and back-end for an ITSM application
• Improved performance on both sides of the application by minimizing the number of requests and code iterations.

ECCjr - Unesp Rio Preto
Full Stack Engineer
August 2015 - April 2017 (1 year, 9 months)

During my time in ECCJr, I was focused on learning as much of the fundamentals as I could. In this journey, I ended up developing a real estate management system for a local company and provided support for the development of landing pages.

## Academic Background

São Paulo State University Júlio de Mesquita Filho
Bachelor's Degree in Computer Science, Computer Science ·
(2015 - 2018)

*Glossary:
ECCjr: Computer Science Junior Enterprise
Unesp: São Paulo State University

05/26/2026

Mario Camara Neto
Chief Technology/Data Officer - Total Acesso/Grupo DVT

+55 17 981995771
mariocamaraneto@gmail.com
https://www.linkedin.com/in/mariocamaraneto

To Whom It May Concern,

Thank for your time and consideration to this letter. My name is Mario Camara Neto. I am a technology executive and software engineering professional with academic and professional background in high-performance computing, distributed systems, and large-scale software development. I earned my bachelor's degree in computer science from Universidade Estadual Paulista Júlio de Mesquita Filho, UNESP; where I was also involved in research activities in parallel and distributed systems supported by the Brazilian National Council for Scientific and Technological Development, CNPq.

Throughout my professional career, I have held technical leadership roles with increasing levels of responsibility, including serving as Chief Technology Officer at INTI and currently as Chief Technology Officer at Total Acesso and Chief Data Officer at Grupo DVT. In these positions, I have led multidisciplinary engineering teams, overseen the development of scalable digital platforms, and managed complex software operations involving cloud infrastructure, data systems, and high-availability applications. I was also recognized as one of the top five professionals at Grupo DVT in 2025, reflecting my contributions to technology and data strategy within the organization.

I first met Rillian Diello Lucas Pires in August 2020, while I was serving as Chief Technology Officer at INTI. During a period of rapid technological growth and the transition to distributed operations, I personally recruited Mr. Pires as a Mid-Level

MCN

Software Developer. From the beginning, he demonstrated exceptional professional maturity and a rare ability to integrate seamlessly into our strategic core, proving to be a highly reliable asset in a demanding, high-stakes environment. As we collaborated on increasingly complex projects, I closely observed not only his hands-on technical capabilities, but also his significant contributions to architectural discussions and critical business decisions regarding software infrastructure. Over the course of nearly eighteen months working together, our professional relationship evolved, and Mr. Pires became a trusted technical consultant for our most important engineering and operational matters. His technical judgment was instrumental in optimizing development processes and ensuring system scalability during a critical phase for the company, reflecting a level of senior autonomy that was essential to our success.

One of the most significant examples of his technical impact was his leading role in the implementation of an instant digital payment infrastructure through integration with Pagar.me, enabling our platform to support PIX transactions (Brazil's instant payment system that lets people and businesses send and receive money in seconds through banking apps, usually using a phone number, QR code, or email instead of bank details). At the time, this represented a major technological advancement within our industry, as PIX was a newly launched national instant payment system that revolutionized the Brazilian financial landscape. By successfully executing this integration, Mr. Pires positioned INTI as one of the first companies in the entire events sector to offer this technology, requiring the development of highly reliable backend services capable of processing large volumes of real-time financial transactions with stability and low latency. Consequently, the platform gained the capacity to scale efficiently for events with thousands of users, marking a substantial improvement in both reliability and operational capacity for large-scale digital operations.

Beyond his technical expertise, Mr. Pires stood out for his ability to quickly master and apply modern technologies, including NestJS and AWS serverless infrastructure such as Lambda, SNS, and SQS. His most enduring legacy at INTI, however, was the creation of technical migration guidelines that standardized our

architectural evolution by establishing clear development patterns, best practices, and implementation procedures for new services, while also empowering other developers to adopt modern technologies more efficiently and consistently across projects. By acting as a technical mentor and a multiplier of knowledge, he significantly elevated the overall quality and consistency of our engineering team.

Based on my direct experience supervising his work, I am fully confident in his ability to successfully lead and develop advanced technology solutions involving scalable architectures, cloud-based infrastructure, and intelligent data-driven systems. His contributions at INTI demonstrate not only technical excellence, but also the capacity to generate impact beyond a single organization. By implementing one of the first PIX integrations in the Brazilian events industry and helping establish scalable engineering standards for high-volume digital operations, Mr. Pires addressed technological challenges that are increasingly relevant across the broader digital economy. Given the growing national demand for resilient cloud infrastructure, real-time transaction processing, and scalable distributed systems, I believe his expertise positions him to make valuable contributions to the advancement of the technology sector in the United States.

With professional regards,

Mario Camara Neto

Mario Camara

29/06/2026

## Contact

www.linkedin.com/in/mariocamaraneto (LinkedIn)
mariocn.com.br (Personal)
github.com/mariocamaraneto (Portfolio)

## Key competencies

Linux
AWS
PHP

## Languages

English (Professional Working)

# Mario Camara

CTO
São Paulo, São Paulo, Brazil

## Summary

I hold a bachelor's degree in computer science and I am a software developer and technology enthusiast with experience in back-end development and web systems.

My search for new challenges was one of the reasons I participated in the ECCjr junior enterprise, the student council, and event organizations during my undergraduate studies. During college, I focused on computer systems, researching and developing distributed file systems in particular, which was the topic of my undergraduate research. Through this research, I had the opportunity to work more deeply with networks, cryptography, distributed and parallel systems, as well as cloud computing. Additionally, I had the chance to learn other tools, primarily for web development, gaining solid knowledge in PHP, HTML5, CSS3, JavaScript, and jQuery.

Personal website:
www.mariocn.com.br

Lattes Curriculum:
http://buscatextual.cnpq.br/buscatextual/visualizacv.do?id=K4385920P6

## Work Experience

### INTI

6 years, 7 months

CTO
January 2021 - January 2024 (3 years, 1 month)
São Paulo, São Paulo, Brazil

Technical lead
January 2019 - January 2021 (2 years, 1 month)

São Paulo Area, Brazil

### Developer
July 2017 - January 2019 (1 year, 7 months)
São Paulo Area, Brazil

I work on the development of a ticket sales, subscriptions, and membership programs platform.

Core technologies used:
PHP, Node.js, AWS, Vue.js, MySQL, Redis, New Relic.

Main challenges:
Working with a white-label system featuring high flexibility and availability, seamlessly integrated across sales modules.

Motivations:
Feeling that we are working in a company that receives praise for its quality and efficiency in customer contact. Knowing that we are shortening lines at events, improving the quality of the producer's decisions, and leaving thousands of customers satisfied because they had no issues buying tickets. Feeling the recognition for making a difference.

## Ping Consultoria
### Full Stack Developer
November 2015 - February 2017 (1 year, 4 months)
São José do Rio Preto Area, Brazil

Full stack development. Work was performed on:
- Development of web systems from modeling through deployment. Working primarily with PHP, JavaScript, HTML, CSS, MySQL, and CakePHP.
- Maintenance of AWS infrastructure for system hosting.

Tools and technologies used:
- REST API
- Instagram API
- Apache
- Git
- Linux (CentOS)

### Parallel and Distributed Systems Research Group
### File System Research - CNPq/PIBIC Fellowship
July 2013 - February 2016 (2 years, 8 months)
Unesp - São José do Rio Preto

Researcher with a CNPq/PIBIC Undergraduate Research
FlexA Project - Flexible and Adaptable File System.

Knowledge, tools, and technologies used:
- Parallel and concurrent programming
- Distributed systems fundamentals
- Database (SQLite3)
- Networking (Sockets and Network overlay)
- Python3
- Cryptography and file mapping utilizing AES and HASH
- ORM (Object-Relational Mapping)
- REST with XML
- AWS and Google Cloud

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## Academic Background

### São Paulo State University Júlio de Mesquita Filho
Bachelor's degree in Computer Science, Computer Science · (2012 - 2015)

### ETEC - Dr. Adail Nunes da Silva
IT Technician, Computer Science and Information Technology · (2009 - 2010)

*Glossary:
CNPq: National Council for Scientific and Technological Development
ECCjr: Computer Science Junior Enterprise
ETEC: State Technical School
PIBIC: Institutional Scientific Initiation Scholarship Program
Unesp: São Paulo State University

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 15, 2026.

## Contato

www.linkedin.com/in/mariocamaraneto (LinkedIn)
mariocn.com.br (Personal)
github.com/mariocamaraneto (Portfolio)

## Principais competências

Linux
AWS
PHP

## Languages

Inglês (Professional Working)

# Mario Camara

CTO
São Paulo, São Paulo, Brasil

## Resumo

Sou bacharel em ciência da computação, desenvolvedor e um admirador da tecnologia com experiência com desenvolvimento back-end e com sistema web.

Minha busca por novos desafios foi um dos motivos de ter participado da empresa júnior ECCjr, centro acadêmico e organizações de eventos durante minha graduação.
Durante a faculdade foquei em sistemas da computação, pesquisando e desenvolvendo especialmente sistemas de arquivos distribuídos, o qual foi tema de minha iniciação científica. Com a pesquisa realizada tive a possibilidade de trabalhar mais a fundo com redes, criptografia, sistemas distribuídos e paralelos, além de computação em nuvem. Contudo tive oportunidade de conhecer outras ferramentas principalmente para desenvolvimento web, tendo um bom conhecimento em PHP, HTML5, CSS3, JavaScript e jQuery.

Site pessoal:
www.mariocn.com.br

Curriculo Lattes:
http://buscatextual.cnpq.br/buscatextual/visualizacv.do?id=K4385920P6

## Experiência

### INTI

6 anos 7 meses

CTO
janeiro de 2021 - janeiro de 2024 (3 anos 1 mês)
São Paulo, São Paulo, Brasil

Líder técnico
janeiro de 2019 - janeiro de 2021 (2 anos 1 mês)

São Paulo e Região, Brasil

### Desenvolvedor
julho de 2017 - janeiro de 2019 (1 ano 7 meses)
São Paulo e Região, Brasil

Trabalho com desenvolvimento de uma plataforma de venda de ingressos, assinaturas e programas de sociedade.

Principais tecnologias utilizadas:
PHP, Node.js, AWS, Vue.js, MySQL, Redis, New Relic.

Principais desafios:
Trabalhar com sistema white label com alta flexibilidade e disponibilidade. de forma integrada entre os módulos de venda.

Motivações:
Sentir que estamos trabalhando em uma empresa que recebe elogios pela qualidade e eficiência no contato com o cliente. Saber que estamos diminuindo as filas nos eventos, melhorando a qualidade nas decisões do produtor e deixando milhares os clientes satisfeitos pois não tiveram problemas ao compras ingressos. Sentir o reconhecimento por estar fazendo diferente.

### Ping Consultoria
### Desenvolvedor Full Stack
novembro de 2015 - fevereiro de 2017 (1 ano 4 meses)
São José do Rio Preto e Região, Brasil

Desenvolvimento full stack. Foi realizado o trabalho em:
-Desenvolvimento de sistemas web desde sua modelagem até a sua implantação. Trabalhando principalmente com PHP, JavaScript, HTML, CSS, MySQL e CakePHP.
-Manutenção da infraestrutura em AWS para hostpedagem dos sistemas.

Ferramentas e tecnologias utilizadas:
-API REST
-API Instagram
-Apache
-Git
-Linux (CentOS)

### Parallel and Distributed Systems Research Group
### Pesquisa com Sistema de Arquivos - Bolsa CNPq/PIBIC
julho de 2013 - fevereiro de 2016 (2 anos 8 meses)
Unesp - São José do Rio Preto

Pesquisador com Bolsa de iniciação Cientifica CNPq/PIBIC

Projeto FlexA - Sistema de Arquivos Flexível e Adaptável.

Conhecimento, ferramentas e tecnologias utilizadas:

- Programação paralela e concorrente
- Fundamentos de sistema distribuídos
- Banco de dados (SQLite3)
- Rede (Sockets e Sobreposição de rede)
- Python3
- Criptografia e mapeamento de arquivos utilizando AES e HASH
- ORM (Mapeamento Objeto Relacional)
- REST com XML
- AWS e Google Cloud

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## Formação acadêmica

### Universidade Estadual Paulista Júlio de Mesquita Filho
Bacharel em ciência da computação, Ciência da Computação · (2012 - 2015)

### ETEC - Dr. Adail Nunes da Silva
Tecnico em informática, Ciências da Computação e Informática · (2009 - 2010)

June 1st, 2026

To the USCIS Immigration Officer,

I am pleased to provide my strong recommendation of Mr. Rillian Diello Lucas Pires. I have spent more than a decade in software engineering and technical leadership, having earned my bachelor's degree in computer science from the Federal University of Mato Grosso do Sul in 2013. In my career, I have led technical teams and co-founded an enterprise that serves major clients such as TIM and Omega, major Brazilian companies operating in telecommunications and renewable energy. Through these experiences, I have developed a strong capacity to evaluate professional talent and the specialized technical frameworks required for complex digital initiatives.

I first met Mr. Rillian Diello Lucas Pires in 2009 during our academic training at the university, as we were in the same year. While I entered the software industry immediately after my graduation in 2013, Mr. Pires chose to further his technical expertise through a master's degree. In 2017, while I was serving as a Senior Software Developer at *Before TI*, I personally recommended him for an engineering position. I later observed his performance while I served as Tech Lead, and I have continued to follow his professional growth since that time, even recommending him for subsequent roles based on my absolute confidence in his engineering standards.

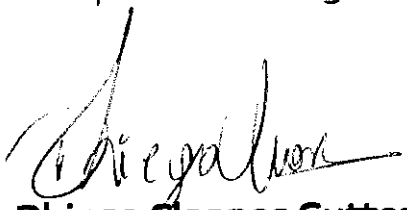
During his tenure at *Before TI*, Mr. Pires demonstrated a unique ability to apply advanced data validation techniques to solve critical operational bottlenecks. He was directly responsible for the enhancement of a complex web scraping and data integration platform. Although parts of the system used Node.js, a sophisticated and highly technical runtime environment for scalable application development, which was outside his primary focus at the time, Mr. Pires displayed exceptional technical adaptability by mastering the environment and implementing an automated verification layer. By crossing scraping data with internal databases, he created a predictive workflow that identified service limitations and address inconsistencies before they impacted the sales cycle. This achievement directly increased the reliability of the company's operations and supported revenue growth by ensuring that only viable transactions proceeded.

This experience in building automated validation and predictive systems is directly relevant to Mr. Pires' proposed endeavor in the United States. His ability to design software that identifies and prevents operational failures mirrors the technical requirements of his current project, which involves using artificial intelligence and computer vision to improve preventive health outcomes and reduce injury related risks. Moreover, Mr. Pires possesses the advanced analytical capacity to navigate the

modern paradigm of AI tools. As noted during our professional interactions, he has a rare talent for identifying the correct technical questions to solve complex problems efficiently, a skill that is crucial for the successful implementation of AI driven biomechanical analysis platforms.

Beyond his technical depth, Mr. Pires is a proven leader. He was trusted by our leadership team to mentor junior developers and interns, a skill he refined during his years teaching young students. This combination of high-level engineering, mentorship, and the ability to build scalable, preventive technology makes him exceptionally well positioned to advance innovation in the United States HealthTech sector. His work aligns with national priorities such as reducing healthcare costs through early intervention, enhancing workforce productivity, and strengthening digital health infrastructure. I fully support this petition and remain available for any details.

With professional regards,



**Dhiego Cleones Gutterres de Souza**
Co-Founder of Wing Solutions
cleones06@gmail.com
+55 67 98441-8806
(https://www.linkedin.com/in/dhiego-cleones/)

## Contact

www.linkedin.com/in/dhiego-cleones (LinkedIn)

## Key Competencies

MySQL
PHP
Java

## Languages

English (Professional Working)
Portuguese (Native or Bilingual)

## Certifications

LEADERSHIP PART 1: BE A LEADER IN THE NEW MARKET
Laravel - Events and queues
Agile Coaching
Laravel authentication
Laravel Eloquent Course

# Dhiego Cleones Gutterres de Souza

Co-Founder and Software Engineer at Wing Solutions
Barueri, São Paulo, Brazil

## Experience

### Wing Solutions
Co-Founder Full Stack
June 2020 - Present (6 years)
Barueri, São Paulo, Brazil

### TradeUp Group
Tech Manager
October 2018 - February 2020 (1 year, 5 months)
Barueri, São Paulo, Brazil

### Before
1 year, 9 months

Technical Lead
July 2018 - October 2018 (4 months)
Campo Grande Area, Brazil

Software Development Analyst
February 2017 - July 2018 (1 year, 6 months)
Campo Grande Area, Brazil

### Sesc Mato Grosso do Sul
Development Analyst
May 2014 - March 2017 (2 years, 11 months)

Performed Activities:

- System development and maintenance in C#, PHP, and Android.

- Report development - Jasper iReport.

- Database management for DB2, SQL Server, and MySQL.

- Management and analysis of new projects to meet internal demand.

- Requirements Analysis and Management.

- Mockup Development.

- Support for third-party system deployments.

### LEDES
Technical Lead
January 2014 - May 2014 (5 months)
Campo Grande, Mato Grosso do Sul, Brazil

Performed activities:

- Development team management.

- Requirement management, activities, schedule and project risks

### Federal University of Mato Grosso do Sul
Instructor
October 2013 - December 2013 (3 months)
Campo Grande, Mato Grosso do Sul, Brazil

Performed activities:

- Handout development.

- Plan / Teach classes.

- Preparation of evidence.

### Embrapa
Trainee
August 2012 - August 2013 (1 year, 1 month)
Campo Grande, Mato Grosso do Sul, Brazil

Supervisor: Camilo Carromeu, Analyst at Embrapa Beef Cattle.

Performed activities:

- Android Platform Study

- PHP and Java language Study

- Study of the TITAN Framework

- Implementation of Android applications

### Federal University of Mato Grosso do Sul
Instructor
October 2011 – April 2013 (1 year, 7 months)

Leveling project - Logic and Mathematics, Facom / UFMS, Scholar of the project that consisted of teaching Prog I classes, and in the second semester 2012 and early 2013, he volunteered

## Education

### Federal University of Mato Grosso do Sul
Master's degree, Computer Science · (2014 - 2027)

### Federal University of Mato Grosso do Sul
Bachelor's degree, Computer Science · (2008 - 2013)

*Glossary:
Embrapa: Brazilian Agricultural Research Corporation
Sesc: Social Service of Commerce

Felipe Gonçalves
Senior Software Engineer - Spraye
Londrina, Parana - Brazil
fgoncalves2008@gmail.com
+55 43 98877-6446

May 12, 2026

To the USCIS Immigration Officer,

I am writing to express my support for the petition of Mr. Rillian Diello Lucas Pires. My name is Felipe Gonçalves, and I am a senior software engineer with over thirteen years of experience in the technology sector. I earned my degree in Computer Science from the same institution as Mr. Pires, the Universidade Federal do Mato Grosso do Sul (UFMS), and have since built my career working in senior technical roles across companies in both Brazil and the United States. Throughout my professional trajectory, I have specialized in backend development, cloud-based systems, API integrations, and scalable software platforms across multiple industries, particularly in environments that require reliable data processing and system performance. In addition to my industry experience, I have also served as a technical instructor, which has strengthened my ability to evaluate the technical expertise and professional capabilities of software engineering professionals.

My first personal interaction with Mr. Rillian Diello Lucas Pires during our undergraduate studies in Computer Science at UFMS, where he was one year ahead of me in the program. This academic connection laid the foundation for a professional relationship that has spanned several years and multiple collaborative initiatives. Since then, I have had the opportunity to follow his technical progression closely as we worked together on various academic and professional projects. For instance, we collaborated on the architectural development of a software platform designed for legislative analysis for political congress members in Brazil, involving structured data processing and user-focused analytical tools. We also served together as technical instructors in Pronatec, a federal vocational education program, where we taught subjects related to software development and computer science. Currently, our professional collaboration continues through the development of an advanced sports management platform, which involves complex system interactions and the processing of large-scale data, providing me with a direct and current perspective on the technical leadership and engineering excellence demonstrated by Mr. Pires.

Felipe Gonçalves

Over the years, Mr. Pires has demonstrated a high level of technical expertise and problem-solving capabilities. During our development of the legislative platform, his contributions were essential in creating data-driven tools that improved public policy analysis and established measurable engagement goals for public officials. Moreover, his role as an instructor at Pronatec had a documented institutional impact. Mr. Pires was responsible for mentoring a generation of developers who now occupy significant positions in the technology sector, including software quality roles in major retail corporations and leadership positions within government technology systems.

Mr. Pires possesses extensive experience in designing systems required to process high volumes of data and network traffic. His previous work on enterprise-level platforms for major events proved his capacity to maintain system reliability under demanding technical conditions. Most recently, during our collaboration on the sports management project, we encountered substantial infrastructure costs related to background processing and notification systems. Mr. Pires designed and implemented a cost-effective architectural solution that reduced operational expenses by approximately 95 percent, significantly improving the financial viability and scalability of the platform. His ability to optimize high-demand systems and improve efficiency demonstrates a strong capacity to develop robust and scalable digital solutions.

Throughout my career, I have recommended Mr. Rillian Diello Lucas Pires for professional opportunities on multiple occasions because I am fully confident in his academic background and extensive practical experience, and this case is no exception. As a professional with experience in both the Brazilian and United States technology markets, I can confidently attest that his technical capabilities are of significant value to any innovative environment. Beyond our shared foundation in Computer Science, Mr. Pires has strengthened his qualifications through graduate studies and years of developing scalable, high-performance solutions.

His expertise in optimizing high-demand infrastructure positions him to drive innovation in critical sectors. These skills are directly applicable to advanced solutions involving artificial intelligence and large-scale data processing, such as the digital health and biomechanics technologies in his current initiatives. I am confident that his work will contribute to operational efficiency and technological innovation in the United States.

Felipe Gonçalves

Sincerely,

Felipe Gonçalves

## Contact

fgoncalves2008@gmail.com

www.linkedin.com/in/fellipesg (LinkedIn)


## Key competencies

Distributed Systems

Systems Design

System Architecture

## Languages

English (Full Professional)

Portuguese (Native or Bilingual)

Spanish (Limited Working)

## Certifications

System Communication Course

DDD Course: Tactical Modeling and Patterns

Monolithic Systems Course

EDA Course - Event-Driven Architecture

EDA Course - Event-Driven Architecture

# Felipe Gonçalves

Senior Backend Engineer & Tech Lead | Backend Architecture | System Design | AWS | Microservices | Node.js | PHP | Kafka | 12+ years

Brazil

## Summary


Senior Software Engineer and Tech Lead with 12+ years building backend systems for production workloads. I design and evolve distributed architectures: service boundaries, data consistency, messaging, and cloud infrastructure that stay reliable as traffic and teams grow.I am open to Senior Software Engineer and backend architecture roles in the United States and Europe (remote, hybrid, or relocation; visa sponsorship welcome).What I work onSystem design for multi-tenant SaaS: APIs, background jobs, and integrations that need to be highly available and easy to operate- Event-driven flows with Kafka (and similar brokers), including payment and billing paths that require idempotency and reconciliation- Cloud and delivery: AWS (including Lambda/ serverless), Docker, CI/CD with GitHub Actions- Backend: PHP 8 (Laravel, Symfony), Node.js, REST APIs, MySQLSelected impact- Spraye: led the PHP 7.4 to 8.2 platform migration, moved workloads toward AWS serverless, and cut deployment time by about 30% while tightening review and migration standardsPayments: Getnet, Cielo, and Zoop integrations, 3DS 2.0 for debit, and bank reconciliation for distributor billing (including Coca-Cola distributor flows)- Leadership: mentored remote engineers on Clean Architecture, DDD, and SOLID, and made PR review and databasechange standards the default on the teamI care about trade-offs you can defend in a design review: consistency vs. latency, serverless vs. long-running workers, and how a change will be operated at 2 a.m.


## Experience

### Spraye

Senior Software Engineer

March 2023 - Present (3 years, 7 months)

Cape Girardeau, MO

- Led the PHP 7.4 to 8.2 platform migration with automated refactoring, removing critical warnings and improving performance and long-term maintainability.
- Designed and enforced database-change and pull-request standards that reduced production incidents and rework.
- Migrated workloads to AWS serverless (Lambda), cutting deployment time by about 30% and lowering operational cost.
- Built routing and billing integrations (Google Directions, weather APIs, automated payments) for a multi-tenant field-operations product.
- Mentored remote engineers on Clean Architecture, DDD, and SOLID, and made those standards the default across the team.

Tech: PHP 8, MySQL, AWS (Lambda), Docker, GitHub Actions, REST APIs.

### Mobiup - Digital Platforms
Senior Software Engineer
November 2020 - May 2024 (3 years, 7 months)
São Paulo, Brazil

Overlapped with Spraye from Mar 2023 as a consulting/transition period while wrapping up delivery at Mobiup.

- Integrated payment gateways (Getnet, Cielo, Global, Zoop) for digital platforms serving distributors and retail clients.
- Implemented 3DS 2.0 for debit-card payments, enabling that method for Coca-Cola distributor clients.
- Built bank reconciliation across payment gateways to reduce settlement mismatches and manual finance work.
- Delivered an AWS IoT Core + Rekognition hospital system that identified staff and logged sanitizer usage during COVID, using on-device capture and cloud telemetry.
- Designed and maintained REST APIs in Symfony, Laravel, and Zend, integrated with Ionic/Angular mobile apps, including OneSignal push notifications and Zend-based gamification to raise engagement.

Tech: PHP (Symfony, Laravel, Zend), REST APIs, AWS (Rekognition, IoT Core, S3), Ionic, AngularJS, MySQL.

### Techsec Tecnologia Ltda
Software Engineer
September 2019 - November 2020 (1 year, 3 months)

Campo Grande

- Built control and monitoring software for electronic building security systems.
- Designed, developed, and maintained an ERP using PHP (Zend Framework), Doctrine, JavaScript, SQL Server, and MySQL.
- Delivered Java support applications used alongside the security and ERP stack.

Tech: PHP, Zend Framework, Doctrine, Java, JavaScript, SQL Server, MySQL.

### Mato Grosso do Sul State Secretariat of Education
Teacher
July 2016 - November 2020 (4 years, 5 months)
Campo Grande - Mato Grosso do Sul

Teaching classes in IT Technician course. Teaching how to fix computers, Object Oriented Programming, Javascript, PHP and MYSQL;

### Fonte Tecnologia
Software Engineer
October 2018 - September 2019 (1 year)
Campo Grande - Mato Grosso do Sul

Working on the evolution and maintenance of a police force system using PHP, SQL Server database, jQuery and Backbone libs. Creating and updating Rest APIs with PHP to provide useful data to mobile apps used by cops in operations.

### Olimpo
Software Engineer
March 2016 - October 2018 (2 years, 8 months)
Campo Grande - Mato Grosso do Sul

Developing a backend support system for managing bovine breed protocols for the European Union. Scheduling and monitoring, via Android and Web applications, surveys on rural properties to adapt production to European Union standards, using Laravel PHP framework, JavaScript, and Postgres database.
Planning and development system architecture and infrastructure.
Creating and managing survey queues using RabitMq.

### Rede Tendência
Software Engineer
April 2015 - February 2016 (11 months)

Campo Grande, Mato Grosso do Sul

- Developed integrated features for the JD Edwards ERP system, collaborating with teams responsible for financial and operational processes.
- Customized modules and performed integrations with Oracle databases, ensuring the stability of critical business routines.

### Ideiasweb Marketing Digital
Software Engineer
August 2014 - April 2015 (9 months)
Campo Grande - Mato Grosso do Sul

Creating institutional web portals using PHP(CakePHP framework), MySQL database and JavaScript and JQuery.
Developing e-commerce systems local companies also using PHP(CakePHP framework), MySQL database and JavaScript and JQuery.

### Software Engineering Laboratory
Software Engineer
June 2012 - July 2014 (2 years, 2 months)
Campo Grande

- Developed web applications in PHP, participated in requirements gathering and the evolution of legacy systems.
- Led refactoring initiatives and improvements that significantly increased the maintainability of the codebase.

### Vivenci Alimentos
Administrative Assistant
March 2009 - January 2010 (11 months)

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## Academic Background

### Federal University of Mato Grosso do Sul
Bachelor's degree, Computer Science · (February 2010 - December 2014)

### Academind
Ionic - Build iOS, Android & Web Apps with Ionic & Angular, Information Technology · (May 2022 - May 2022)

### Microlins

Assembly and Maintenance of Microcomputers and Computer Networks, Information Technology · (2006 - 2007)

June 1st of 2026
Dallas-Fort Worth

To the USCIS,

My name is Eymard Furtado, and I currently serve as Director of Web Operations at SERVPRO in the Dallas Fort Worth Metroplex. I hold a bachelor's degree from the University of North Texas and a specialized training in web development through Zero To Mastery Academy, in addition to earning certifications in ReactJS, JavaScript, and HTML5 and CSS, foundational technologies for front-end web development and user interface design

My professional background is centered on frontend engineering, digital platform development, and web operations. Before assuming my current leadership role, I worked as a Developer at SERVPRO, a leading provider of property restoration, disaster recovery, and specialized cleaning services in North America, and previously as a Front End Developer at Appnovation, a global digital consultancy specializing in web, cloud, and enterprise technology solutions, where I contributed to large-scale digital platforms and also served in an acting Frontend Tech Lead capacity on a microservices-based learning delivery platform. Across these roles, I have worked extensively with complex cloud based systems, which has given me a strong basis to evaluate senior software engineers operating in high demand technical environments. It is from this professional perspective that I am pleased to recommend Mr. Rillian Diello Lucas Pires.

Mr. Pires joined the Appnovation team as a Senior Developer in 2023, assigned to a strategic project for a major American technology company operating in the defense and intelligence sectors. From the outset, it was clear that he was not limited to his assigned scope. He quickly became involved in multiple initiatives, frequently supporting other teams and contributing beyond what would normally be expected from someone in his role.

From a technical perspective, Mr. Pires demonstrated a highly refined command of technologies such as React, Next.js, Redux, and Contentful, advanced software development and content management technologies that support the creation of complex, scalable, and user-centric digital platforms. His experience with content management systems, particularly Contentful and Drupal, widely used enterprise solutions for managing and distributing digital content, proved especially valuable in accelerating our delivery timelines.

Mr. Pires was also responsible for the modernization of a recruitment portal and the improvement of the organization's content management system. He was directly involved in refactoring key components and implementing an advanced job search functionality using React and Algolia, widely used technologies for developing dynamic user interfaces and delivering fast, highly relevant search experiences within digital platforms. As a result, the platform became faster, more stable, and

more accessible, which had a direct impact on the way users interacted with the system and how the company approached talent acquisition. What stood out to me was not only the execution itself, but how he approached the problem. Mr. Pires consistently worked with a broader perspective in mind. When developing or refactoring a component, he would actively consider how that change would affect the overall product, including usability and long-term maintainability.

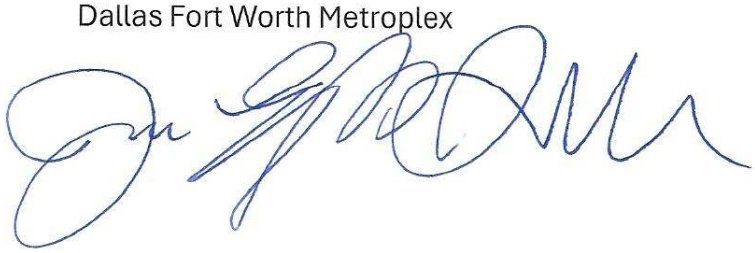
Due to his outsanding knowledge, he was frequently sought upon to support other projects at the company. His ability to move between different technologies, including React, TypeScript, Drupal, and Next.js, allowed him to resolve issues that were blocking progress in other teams.

Mr. Pires' work is directly relevant to his proposed endeavor in the United States. Building scalable, data driven platforms requires not only technical knowledge, but also the ability to structure systems that remain reliable under growth and complexity, which is essential for projects involving AI enabled architectures. He was one of the most reliable and technically mature engineers I worked with at Appnovation.

Given the increasing importance of robust digital infrastructure and intelligent platform development to American technological leadership, I am confident that his skills will translate into meaningful contributions. His expertise in creating high performance, secure, and user centric systems aligns with the technical standards required for innovation in critical sectors. For these reasons, I fully support his petition and remain available for any additional information if needed.

Best Regards,

Eymard Furtado
Director of Web Operations, SERVPRO
Dallas Fort Worth Metroplex



## Contact

eymardfurtado@gmail.com

www.linkedin.com/in/eymardfurtado (LinkedIn)


## Top Skills

Creative Problem Solving
Communication
Learning

## Languages

Portuguese (Native or Bilingual)
Spanish (Limited Working)
English (Native or Bilingual)

## Certifications

Microsoft DEV281x: Introduction to ReactJS
Professional Certificate: Front-End Web Developer
JS.0x: JavaScript Introduction
Certified Insurance Consultant License (Life & Health), Individual
HTML5.0x: HTML5 and CSS Fundamentals

# Eymard Furtado

Director of Web Operations
Dallas-Fort Worth Metroplex

## Summary


Front-End Developer and Professional Jazz Pianist, Arranger, Composer, Producer.
In my twenty years of experience as a professional musician, I've learned to problem-solve and walk a fine line between creativity and objectivity. I've realized that coding is no different: a good developer must find creative ways of using rigid, objective rules to solve a problem. Both coding and music are the application of creative logic to problem-solving. What's more, because music incorporates a surprisingly high degree of abstraction, it lends itself well to object-oriented thinking (which frameworks like Angular and libraries life React, Vue and Polymer are all about).


## Experience

### SERVPRO
Director, Web Operations
December 2024 - Present (1 year 6 months)

### Self-Employeed
Professional Musician
June 1998 - Present (28 years)
Dallas/Fort Worth Area

### Self-employed
28 years

Professional Musician
May 1998 - Present (28 years 1 month)
Dallas/Fort Worth Area

### Composer/Producer/Pianist
1998 - Present (28 years)
Dallas/Fort Worth Area

### SERVPRO

Developer
March 2023 - January 2025 (1 year 11 months)
Remote

Appnovation
Front End Developer
March 2021 - February 2023 (2 years)

-- Acting Frontend Tech Lead for a large microservices based learning delivery platform.
• Providing support and maintenance.
• Refactoring existing code to improve code base.
• Effectively communicating with the client.
• Managing the effective use of billable time.
• Coordinating with the client to provide estimates, set expectations, and prioritize.
• Coordinating with backend Tech Lead in building API-driven components.
• Creating Report based on data from the database

Technologies: React, Redux, Contentful, Material UI, Algolia, Docker, PostgreSQL, Python, Google Cloud Platform.

-- Frontend Engineer for a leading global veterinary community of over 1,400 veterinary hospitals and pet resorts.
• Providing support and feature design for a Site Generator app with over 20 themes.
• Designing new themes.
• Building reusable, API based React components.
• Refactoring existing code to improve performance – improved the loading time of images by over 90%.
• Designing, building, and deploying Contentful UI extensions to create custom fields and connect with other APIs.
• Implemented ARIA best practices.
• Content model design, and implementation with the frontend
• Content migration and mass editing.
• Designing client-facing presentations for effectively conveying technical concepts to non-technical clients.

Technologies: React, NextJS, Contentful, Yext, Styled Components, Azure.

-- Frontend Engineer for a large US technology company that provides IT, systems engineering, professional services to customers in the defense, health, homeland security, intelligence, and other sectors.
• Refactored the site's job-search feature with Algolia's React#InstantSearch.
• Refactored existing features to have better browser compatibility.
• Performed tech audit of the Content Management System.
• Content model design and implementation and content migration.

Technologies: React, Gatsby, Contentful, SCSS, Algolia, Mulesoft, Netlify.

### CompEdge Financial Services
Internal Consultant
July 2018 - March 2021 (2 years 9 months)

CompEdge is an Independent Marketing Organization (IMO) that helps financial advisors and wealth managers with their clients' portfolio of life insurance, annuity, and long-term care solutions. They specialize in complex financial situations, risk management, and asset leverage.
• Designed, built, and deployed CompEdge's Underwriting Prescreening tool, designed to collect client data to determine insurability. Via the use of dynamically populated questionnaires, the user data is securely collected, in compliance with HIPAA, and relayed to CompEdge's team.
• Designed, built, and deployed CompEdge's Illustration Request tool, designed to streamline the quotes request process, minimizes instances of faulty/incomplete data, and increase turnaround time, in a dynamic and intuitive way.
• Designed, built, and deployed CompEdge's IncomeEdge Calculator, a single web application that helps financial advisors determine the right annuity product for their clients. It estimates the projected future income for an array of fixed indexed annuity products based a variety of factors.
• Assisted their sister company, Fund Architects, in building their investment model using QuantShare (C# based). The modal is a momentum-based modal that takes in the price action of ETFs in different sectors and analyses a number of factors to determine the best portfolio.
• Provided sales support and case design to financial advisors and their client.
• Interceded with insurance companies on advisors' behalf.
• Designed and presented both product-specific and conceptual-based presentations to financial advisors and their clients.
• Ran the investment model regularly and rebalanced client portfolios using Schwab's online trading platform

Returned a year after leaving CompEdge’s employment, on a part-time, contract basis, to provide support, maintenance, and versioning for CompEdge’s solutions. Just designed and implemented version 2 of the Underwriting Prescreening and Illustration Request.

## Education

### University of North Texas

Bachelor's degree, Jazz/Jazz Studies

### Zero To Mastery Academy

The Complete Web Developer in 2021: Zero to Mastery, Computer Programming

Texas, USA 05/13/2026

To the Officer in Charge, U.S. Citizenship and Immigration Services,

I am Martin Dias, a professional with an extensive career dedicated to technology operations and healthcare systems coordination within the United States. I hold an Associate of Science in Computer and Electronics Engineering from the ITT Technical Institute, a qualification that provided the foundation for my professional journey in the American technical workforce. Before my leadership roles in product management, I spent half a decade working at Kaiser Permanente, one of the largest and most established non-profit healthcare providers in the United States. In my capacity as a Master Scheduler at Kaiser Permanente for five years, I worked closely with medical professionals and complex administrative systems, gaining a deep understanding of the high standards for data accuracy and system reliability required in the U.S. health sector. Currently, I am a member of the International Union of Elevator Constructors, where I continue to contribute to the American industrial sector through an apprenticeship in conjunction with the National Elevator Industry Educational Program.

I am writing this letter to support the petition of Mr. Rillian Diello Lucas Pires, whom I collaborated with during my time at Stronger U Nutrition, which operates under the Self Esteem Brands umbrella, the parent company of Anytime Fitness, where I served as the Product Manager. In this role, I served as the strategic link between our business objectives and the technical execution of our development team. I first met Mr. Pires when he provided software development services to our organization through Alto[1], where he served as a Senior Software Developer, and I quickly recognized his ability to address the complex engineering demands typical of the preventive health and digital wellness landscape in the United States.

Throughout our professional relationship, I observed Mr. Pires take ownership of the Laravel project, a critical initiative for our core infrastructure. His primary focus was modernizing our legacy architecture, specifically by migrating essential automated processes into a scalable system utilizing Laravel, Redis queues, and GitHub Actions for continuous integration. For an organization operating within the competitive health and wellness sector of the United States, such

[1] Alto is a technology company that helps businesses build and manage international software engineering teams. The company specializes in sourcing, organizing, and overseeing remote technology professionals across more than 30 countries, enabling clients to scale their digital and software development operations efficiently.

951-956-6250
martindayz00@gmail.com
https://www.linkedin.com/in/martin-diaz84

technological advancements are vital for ensuring performance at scale and maintaining reliable data processing across a large user base. Mr. Pires demonstrated a strong understanding of how to transition synchronous legacy tasks into background processes, which significantly reduced system latency and improved the overall responsiveness of our platform.

The outcomes of the contributions made by Mr. Pires were highly measurable and directly impacted our operational efficiency. Following his implementation of the new architecture, our organization achieved 100% visibility over all automated processes, including real time execution tracking and performance metrics. Furthermore, critical data processes that previously experienced regular failures due to high volumes reached a 100% success rate under his management. As someone who has spent years navigating the rigorous operational environments of major U.S. institutions such as Kaiser Permanente, I can attest that the level of stability and scalability Mr. Pires introduced is essential for any modern digital health platform in which data reliability directly influences user outcomes.

Based on my professional experience and my understanding of the technical requirements within the United States, I firmly recommend Mr. Pires. His expertise in designing resilient, data driven platforms and modernizing legacy systems supports the development of scalable digital health solutions that depend on consistent performance and accurate data processing. I am confident in his abilities and strongly support this petition.

Best regards,



Martin Diaz
Technical Prodcut Owner, Stronger U Nutrition, Self Esteem Brands
Member of the International Union of Elevator Constructors

951-956-6250
martindayz00@gmail.com
https://www.linkedin.com/in/martin-diaz84

## Contact

www.linkedin.com/in/martin-diaz84 (LinkedIn)

## Top Skills

Behavior Change
Fitness
Lifestyle Coaching

# Martin Diaz

Technical Product Owner | Project Manager | Scrum | Data Center Operations
San Antonio, Texas, United States

## Summary

Versatile and leader, project manager, and technical product owner who thrives on the challenge of translating complex technical concepts into customer-centric solutions. Talent for driving how work gets delivered, defining activities and prioritizing backlog, and flexible to participate hands-on in data center hardware maintenance, server installs, application development, technical troubleshooting, and support. Solid understanding of agile at scale. Collaborative approach. Successful managing teams through multiple mergers and acquisitions. Diverse experience spans information technology, construction, wellness coaching, and customer care.

## Experience

### Stronger U Nutrition
7 years 10 months

#### Technical Product Owner
August 2022 - June 2025 (2 years 11 months)
San Antonio, Texas Metropolitan Area

In my role as a Technical Product Owner, I play a pivotal role in steering product development from conception to delivery. Leveraging my technical background, I bridge communication gaps between development teams and stakeholders, ensuring alignment with business objectives.  I actively participate in defining and prioritizing features for our products, maintaining a clear product backlog, and collaborating with cross-functional teams to deliver high-quality solutions. My responsibilities include facilitating communication between stakeholders, prioritizing development work for our software developers, and adapting strategies based on feedback. Thriving on the challenge of translating complex technical concepts into customer-centric solutions, I aim to drive successful and impactful product development.

#### Nutrition Consultant
September 2017 - June 2025 (7 years 10 months)
United States

As a 1-on-1 Nutrition Coach with Stronger U, I partnered with hundreds of clients over the years to guide them toward their health and wellness goals. My approach went beyond just food — I focused on lifestyle coaching, behavior change, and sustainable habit building. Through personalized support, data-driven strategies, and consistent accountability, I helped clients make meaningful and lasting transformations in both their nutrition and daily lives.

### Technical Support Specialist II

September 2021 - July 2022 (11 months)

San Antonio, Texas, United States

As a Technical Support Specialist II, I provide advanced technical assistance to Stronger U nutrition members and Coaches. My responsibilities include diagnosing and troubleshooting complex software issues, collaborating with cross-functional teams, and mentoring staff. My role demands strong communication and problem-solving skills, as well as an ability to adapt to evolving technologies within the organization.

### Kaiser Permanente

Master Scheduler

June 2012 - September 2017 (5 years 4 months)

Riverside, California, United States

As a Master Scheduler for physicians, I am tasked with managing and optimizing the overall schedule for medical practitioners within a healthcare organization. My responsibilities include creating and maintaining the master schedule, ensuring proper coverage for patient care, and efficiently allocating resources. I collaborate closely with medical staff to understand their availability, preferences, and clinical requirements. Additionally, I monitor and adjust the schedule to accommodate unexpected changes, such as urgent medical cases or staff absences. My role demands a keen understanding of medical workflows, effective communication skills, and the ability to balance operational requirements with the well-being of the healthcare team and the quality of patient care.

## Education

### ITT Technical Institute

Associate of Science - AS, Computer and Electronics Engineering Technology · (June 2004 - May 2006)

June 05, 2026

To Whom It May Concern,

I am writing to express my strong support for the petition filed by Mr. Rillian Diello Lucas Pires. My name is Thiago Meireles, and I currently serve as a Software Engineer at Planck LLC, a technology company based in New York. I have more than eight years of experience in the information technology sector, with a professional background that includes software engineering, systems analysis, and technical leadership in both Brazil and the United States. Before my current role, I held senior and lead engineering positions at companies such as AgileEngine, Modus Create, and INTI. This experience has given me a solid basis to evaluate professionals who are responsible for building reliable, scalable, demanding digital systems, and it is from that perspective that I offer my assessment of Mr. Pires.

It gives me great pleasure to provide this recommendation for Mr. Pires, reflecting the enduring professional rapport we have maintained to this day. Our professional relationship was originally established in August 2020, when Mr. Pires joined the engineering team at INTI Art, where I served as a Senior Software Developer. His tenure began at a critical juncture during the COVID-19 pandemic, marking him as the company's first fully remote professional. I was directly responsible for managing his onboarding process, a role that afforded me a unique opportunity to closely observe his technical acumen and rapid adaptation to our demanding environment from his very first day. We remain in constant contact, frequently discussing innovative concepts for software products and applications, as he consistently distinguishes himself through his strong expertise.

Mr. Pires's background in payment processing systems was especially valuable to INTI Art during a period of severe instability for the events sector. He assumed a central role in improving our payment operations and was the lead engineer responsible for integrating PIX into our platform. For context, PIX is an instant payment ecosystem launched by the Central Bank of Brazil that allows for immediate, 24/7 digital money transfers. This integration required technical precision, reliability, and the ability to implement a solution that could operate with speed, stability, and scalability under real business pressure. Its success had a meaningful effect on our operations, providing a vital competitive differentiator. In practical terms, Mr. Pires delivered a complex integration that strengthened the company's efficiency and competitiveness at a highly uncertain moment. Mr. Pires was entrusted with this initiative due to his specialized expertise in payment processing systems and his proven ability to design highly reliable backend solutions. His work established a robust foundation that continued to support the company's payment operations long after the project's completion, reflecting the long-term value of the engineering decisions he implemented

The architectural principles and engineering approaches introduced by Mr. Pires continued serving as reference points for subsequent development efforts, demonstrating that his contributions extended beyond the immediate success of a single project and generated lasting technical value for the organization.

From the beginning of his work at INTI Art, Mr. Pires distinguished himself through his technical strength and his ability to learn unfamiliar technologies with unusual speed. One clear example was his rapid command of Yii2, a specific PHP framework used as the foundational structure for building our core backend systems, even though he had no prior experience with it when he joined the company. In a short period of time, he became one of our main references in that environment. At the same time, he contributed expertise in NodeJS, a technology essential for building fast and scalable server,side applications, and brought strong knowledge of VueJS, a modern framework used to create dynamic and interactive user interfaces as we introduced that framework into our frontend development process. He consistently exceeded what is typically expected from professionals at a similar stage of experience, placing him among the strongest engineers I have worked with in the sector

Beyond his individual performance, Mr. Pires also emerged as a reliable leader within the team, mentoring newly hired developers and working collaboratively to solve difficult problems. Even in a fully remote environment during the pandemic, he consistently made himself available for pair programming to resolve complex issues. In my experience, this combination of fast learning, architectural understanding, and team leadership is characteristic of professionals who can successfully build and scale sophisticated digital platforms.

As his experience within the company grew, other developers increasingly sought his guidance when evaluating architectural alternatives or resolving complex engineering issues. His technical opinions carried considerable weight because they consistently combined sound engineering principles with practical, business-oriented execution. Beyond contributing code, he helped strengthen the team's overall standards by sharing knowledge and promoting sound software engineering practices.

From my current perspective in the U.S. technology sector, I can say with confidence that the specialized skills Mr. Pires possesses are essential for driving highly innovative technical ventures. Based on what I observed firsthand at INTI Art, and on the professional contact we have maintained since then, I believe he is particularly well positioned to lead the development of technology products that require scalable architecture, reliable backend systems, real-time processing, and disciplined engineering execution. These capabilities are directly relevant to his success in developing novel, data-driven platforms in emerging U.S. sectors, such as AI-powered systems that depend on computer vision, structured data processing, and nationwide software delivery. I would unhesitatingly recommend Mr. Pires for a senior role within my own current organization or any forward-thinking IT company.

I express my full support for this petition and am available to clarify any points if required.

Sincerely,



Thiago Meireles
Software Engineer, Planck LLC
New York, United States
+55 (11) 95376-4188

## Contact

www.linkedin.com/in/thiagomeireles (LinkedIn)

## Key competencies

PHP

JavaScript

VueJS

## Languages

Portuguese (Native or Bilingual)

English (Professional Working)

# Thiago Meireles da Silva

Software Engineer

São Paulo, São Paulo, Brazil

## Summary

Graduated in Systems Analysis and Development. Solid knowledge in PHP (Laravel/Lumen/Yii2/Slim) and Javascript/Typescript (VueJS/Node), database integration (MySQL, Postgres, MSSQL and Oracle), code versioning (Git and SVN), API implementation and WebServices (REST/SOAP), authentication (OAuth2 and JWT) and Serverless system (mainly in AWS).

Orchestration of environments with Docker.

Solid AWS cloud experience, especially in serverless architecture.

CI:CD implementation using GitHub Actions, AWS Codebuild/Codepipeline, CircleCI and CodeFresh.

Experience with agile methodologies (Scrum, Kanban, XP).

## Work Experience

### AgileEngine

Software Engineer

May 2022 - Present (4 years, 2 months)

...

### Modus Create

Software Engineer

May 2021 - April 2024 (3 years)

Working for a global education company, mostly migrating legacy systems in PHP to NodeJS/Serverless, using the following technologies:

- NodeJS with TypeScript
- AWS Lambda, DynamoDB, EventBridge, APIGW, Step Functions, etc
- Event Driven via SNS/SQS/EventBridge
- Infra as code using AWS CDK

- All migrated projects with 100% test code coverage
- CI/CD with CodeFresh

## INTI

1 year, 8 months

### Tech Lead

July 2020 - May 2021 (11 months)
São Paulo, Brazil

### Software Engineer

October 2019 - July 2020 (10 months)
São Paulo Area, Brazil

Architecture and development of systems focused on the area of events and tickets, taking into account the entire sales flow: APIs, CRM, ticket stock, reservations and payments.

Technologies used:
- NodeJS (Express/NestJS/Lambda)
- PHP (Yii2 framework)
- Frontend with VueJS
- Queues with SQS/Redis
- Implementation of Webhooks

## JUST DIGITAL

### System Analyst

June 2019 - October 2019 (5 months)
São Paulo Area, Brazil

Systems development using several languages, but mainly Node/PHP and Vue.js.
Implementation of CI:CD in projects, using Bitbucket/Gitlab, Jenkins, Travis and Ansible.
Orchestration of environments with Docker.
Implementation of MySql, Postgres and Oracle 11g databases.

## Opah IT Consulting

### Full Stack Developer

April 2019 - June 2019 (3 months)
São Paulo Area, Brazil

Systems development according to customers needs, using the most modern tools on the market such as: Java Spring Boot, VueJS, PHP, NodeJS, MySQL, Postgres, Docker.

## Finnet

4 years, 5 months

### System Analyst

October 2016 - April 2019 (2 years, 7 months)

São Paulo Area, Brazil

Development of web/mobile systems, with a focus on front and back end, using the latest market technologies.

Implementation and updating of SOAP and REST APIs.

Migration of on-premise systems to the cloud (AWS / Google Cloud).

Development of web/mobile systems, focusing on the frontend and backend, using Laravel and Vue.

Implementation and update of SOAP and REST APIs.

Migration of on-premises systems to the cloud (AWS/Google Cloud).

### Data Processing Analyst

June 2015 - October 2016 (1 year, 5 months)

São Paulo Area, Brazil

Approval and implementation of projects and systems performing monitoring and customer service. Technical consultancy and training.

Focus on project management using the Scrum framework.

Responsible for the implementation of the tax document management system, focusing on GNRE and automated payments.

### Data Processor/Operator

December 2014 - June 2015 (7 months)

São Paulo Area, Brazil

Monitoring and analysis of file traffic, links and VPNs.

Opening and escalation of tickets through the Salesforce platform.

Customer service to resolve defects and bugs in applications developed by the company.

## Golden Cross

### Data Typist

July 2012 - February 2014 (1 year, 8 months)

Analysis of contracts and files

Digitization of files

Entering data in the company's internal system

Correction and updating of customer data

Flytour Group

Messenger

April 2010 - January 2012 (1 year, 10 months)

Internal and external messenger

Billing assistant

Customer service for clients and airlines

## Academic Background

### Paulista University

System Analysis and Development · (2015 - 2016)

### Brazilian Institute of Advanced Technology

Computer Software Technology/Technician · (2013 - 2014)

### Bradesco Foundation

Computer Programming · (2014 - 2014)

### Flytour Academy

Public Relations/Image Management · (2011 - 2011)

### National Service for Commercial Apprenticeship (SENAC) São Paulo

Computer Maintenance and Local Network Implementation, Information Technology · (2012 - 2012)

Mato Grosso do Sul, Brazil 06/01/2026

To Whom It May Concern,

Thank you for your time and consideration of this letter. My name is Wesley Nunes Gonçalves, and I am an Associate Professor at Universidade Federal de Mato Grosso do Sul (UFMS), Brazil, where I perform teaching, research, academic supervision, and participate in councils, committees, and academic governance activities.

I earned my Ph.D. in Physics from Universidade de São Paulo (USP), a master's degree in computer science from the same university, and a bachelor's degree in computer engineering from Universidade Católica Dom Bosco (UCDB). During my academic training, I was supported by major Brazilian research agencies, including CNPq and FAPESP. I have received scientific distinctions such as the Prêmio CONFAP de Ciência, Tecnologia e Inovação, Johanna Döbereiner in 2024, the Best Paper award at the 2024 IEEE Mediterranean and Middle East Geoscience and Remote Sensing Symposium, and the Prêmio Fundect Pesquisador Sul Mato Grossense in 2023. I am also a CNPq Research Productivity Fellow, Level 2, and participate in research projects funded by FAPESP, FUNDECT, and other science and technology institutions.

I met Mr. Pires during his master's degree in computer science at UFMS, where I served as the advisor for his graduate research entitled "Recognition of Soybean Crop Diseases Using Locally Aggregated Vectors and Lightweight Assignments." Throughout this period, I had the opportunity to closely observe his academic development, technical abilities, and research skills in the fields of computer vision and machine learning. His work consistently demonstrated a high level of analytical thinking, technical proficiency, and intellectual independence. Beyond his strong academic performance, I was particularly impressed by his ability to apply advanced computational techniques to solve practical problems, a characteristic that has remained evident throughout his professional career and that distinguishes him as a highly capable technology professional.

Among the many accomplishments I had the opportunity to observe throughout Mr. Pires's academic development one stands out as particularly illustrative of his

technical abilities, innovative mindset, and capacity to apply advanced computational methods to real-world challenges. During his master's research, he developed and evaluated a computer vision-based solution for soybean disease recognition, demonstrating exceptional technical ability in the development of computational methods, experimental validation, and rigorous analysis of results. The quality and impact of this work led to its publication in a respected international scientific journal with an impact factor of 8.9, a metric commonly used to assess the influence and prestige of academic journals, with this value reflecting a highly regarded publication within the scientific community.

The study has attracted substantial recognition within the scientific community, having been cited 115 times by researchers from numerous countries. In my view, this achievement reflects not only Mr. Pires's strong technical expertise in computer vision, pattern recognition, and data-driven problem solving, but also his ability to develop innovative technological solutions with practical applications and measurable impact. These are qualities that have consistently distinguished him throughout his professional career and that position him to make meaningful contributions in technology-driven fields.

Based on my direct experience supervising and evaluating Mr. Pires's work, I can confidently attest to his exceptional technical competence, analytical capabilities, and ability to develop innovative computational solutions to complex real-world challenges. Given his qualities, I am confident that he will continue to contribute to the development of innovative technologies that expand the practical use of intelligent systems, improve the accessibility and effectiveness of digital solutions, and help address important challenges with broad societal impact. For these reasons, I offer my strongest recommendation of Mr. Rillian Diello Lucas Pires and fully support his future professional endeavors.

Sincerely,

Wesley N. Gonçalves

Wesley Nunes Gonçalves

Associate Professor, Universidade Federal de Mato Grosso do Sul

Cidade Universitária, Av. Costa e Silva, Pioneiros, Campo Grande, MS, 79070 900, Brazil

Email: wesley.goncalves@ufms.br

Phone: +55 (67) 99938-1011

## Contact

www.linkedin.com/in/wesley-gonçalves-77064935 (LinkedIn)

## Key competencies

Teaching
Artificial Intelligence
Deep learning

# Wesley Gonçalves

Professor at UFMS | Founder of GeoIA
Campo Grande - Mato grosso do Sul, Brazil

## Work Experience

### Federal University of Mato Grosso do Sul
Professor
February 2013 - Present (13 years, 4 months)
Campo Grande, Mato Grosso do Sul, Brazil

### GeoIA
Co-founder
December 2022 - Present (3 years, 6 months)
Campo Grande, Mato Grosso do Sul, Brazil

## Academic Background

### University of São Paulo
Doctorate, Computer Science · (2010 - 2013)

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: September 14, 2026.

## Contato

www.linkedin.com/in/wesley-gonçalves-77064935 (LinkedIn)


## Principais competências

Docência
Inteligência artificial
Aprendizagem profunda

# Wesley Gonçalves

Professor UFMS | Fundador GeoIA
Campo Grande, Mato Grosso do Sul, Brasil

## Experiência

### Universidade Federal de Mato Grosso do Sul
Professor
fevereiro de 2013 - Present (13 anos 4 meses)
Campo Grande, Mato Grosso do Sul, Brasil

### GeoIA
Cofundador
dezembro de 2022 - Present (3 anos 6 meses)
Campo Grande, Mato Grosso do Sul, Brasil

## Formação acadêmica

### Universidade de São Paulo
Doutorado, Ciência da Computação · (2010 - 2013)

Sao Paulo, Brazil
June 24, 2026

Dear Officer,

I am writing this letter in support of Mr. Rillian Diello Lucas Pires based on my direct experience working alongside him at Swoogo, a U.S.-based technology company that develops large-scale event management and engagement platforms used by organizations to support complex digital experiences and high-volume operations. My name is Guilherme Camargo, and I currently serve as Director of Engineering at the company, where I lead engineering teams and oversee technical initiatives involving software architecture, mobile systems, and scalable platform development. Prior to this role, I spent several years working with technologies ranging from embedded systems and computer vision applications to data-intensive mobile platforms and real-time processing environments. Having worked across different technological domains and having evaluated engineers throughout my career, I have developed a clear understanding of the technical qualities required to succeed in complex and high-impact engineering environments, which places me in a strong position to assess Mr. Pires' professional capabilities.

I first met Mr. Pires in April 2024 shortly after he joined Swoogo, during a period in which I was serving as a Senior Software Engineer primarily focused on the company's mobile development initiatives. Due to his prior experience in both mobile technologies and backend development, Mr. Pires quickly became involved across multiple areas, collaborating not only with the Mobile team but also with the Customer Response Team. This cross-functional role allowed me to work closely with him on a regular basis and observe his work in different technical contexts, including software architecture discussions, platform maintenance, troubleshooting efforts, and strategic engineering decisions. As our collaboration continued over time, I had the opportunity to directly evaluate both the quality of his technical contributions and his ability to operate effectively in highly dynamic and complex environments.

Throughout our collaboration, I observed Mr. Pires contributing to several technically demanding initiatives requiring both strong architectural judgment and rapid problem-solving abilities. During the development of a new PHP-based application programming interface (API), which enables different systems to communicate and exchange information, he played an important role in improving code quality and refining architectural decisions. At the same time, he assumed responsibility for maintaining our legacy mobile application, allowing the team to focus on new development efforts while ensuring uninterrupted operations. I also observed his impact within our Customer Response Team, where he helped resolve critical issues and eliminate operational bottlenecks.

One of his most significant contributions was leading the strategic transition of critical import-related processes from synchronous operations to



asynchronous workflows. By shifting away from sequential task handling, he significantly improved overall system performance and optimized resource utilization. His technical approaches consistently influenced the work of multiple engineering teams, elevating the quality of projects beyond those to which he directly contributed.

Having worked with many software engineers throughout my career, I can state that Mr. Pires distinguishes himself from many professionals I have encountered because of his combination of technical depth and broad systems understanding. While many engineers develop expertise within a single area, he consistently demonstrated the ability to work effectively across backend systems, mobile technologies, software architecture, and complex operational environments. Beyond his direct technical contributions, he showed strong judgment in analyzing, prioritizing, and coordinating complex tasks, ensuring that critical issues were addressed efficiently and with long-term impact in mind. Equally important, he consistently approached technical challenges from a broader architectural perspective, understanding how individual design decisions could influence scalability, system reliability, and overall operational performance. This ability to connect immediate technical solutions with wider system objectives allowed him to generate insights that strengthened multiple initiatives across the organization and improved the long-term effectiveness of the technologies supporting our operations.

Based on my direct experience working with Mr. Pires and observing the quality and impact of his contributions, I recommend him without reservation. I am confident that his technical expertise, architectural mindset, and ability to build efficient and scalable systems position him exceptionally well to pursue his proposed endeavor in the United States. Throughout our collaboration, I observed qualities that are directly aligned with the development of advanced technology solutions involving large-scale data processing, intelligent systems, and complex software architectures. His ability to design reliable and scalable solutions, rapidly understand intricate technical environments, and transform operational challenges into practical and sustainable implementations gives me strong confidence in his potential to contribute meaningfully to initiatives involving artificial intelligence-driven technologies and innovative digital solutions. I give Mr. Pires my strongest recommendation and would welcome the opportunity to work with him again in the future.

Best Regards,

Guilherme Camargo
Director of Engineering @ Swoogo
guiccbr@gmail.com
+5519999703535

## Contact

www.linkedin.com/in/guiccbr (LinkedIn)
github.com/guiccbr (Other)
www.facebook.com/gccamargo (Other)

## Top Skills

PHP
Yii
Computer Vision

## Languages

English (Native or Bilingual)
Spanish (Limited Working)
Portuguese (Native or Bilingual)

## Publications

Autonomous Fuzzy Control and Navigation of Quadcopters

# Gui C. Camargo

Director of Engineering @ Swoogo
São Paulo, Brazil

## Summary

Versatile Software Engineer with broad experience in mobile app development, solid background in computer science and past experience with embedded systems.

## Experience

### Swoogo
3 years 2 months

Director, Engineering
March 2026 - Present (4 months)
São Paulo, Brazil

Staff Software Engineer
January 2025 - April 2026 (1 year 4 months)
São Paulo, Brazil

Senior Software Engineer
May 2023 - January 2025 (1 year 9 months)
São Paulo, Brasil

### STRIVE
Lead Software Engineer
August 2021 - May 2023 (1 year 10 months)
São Paulo, Brasil

• Built and maintained two React Native apps and a React website that collected IMU and EMG data from Strive's bluetooth wearables and provided data visualization tools to users.
• Implemented highly responsive interactive graphs and charts to visualize data with D3, SVG and react-native-reanimated/gesture-handler.
• Designed and deployed an offline first architecture for Strive's React Native apps, allowing users to collect data in real time and visualize/interact with graphs without internet access.

• Drove GraphQL api specifications and assisted on the development of the backend stack with Node, NestJS, Apollo GraphQL, Prisma and TimescaleDB (Time-Series PostgreSQL).

### ProFUSION
Lead Software Engineer
December 2017 - August 2021 (3 years 9 months)
Campinas Area, Brazil

Working with multiple teams and projects, for multiple clients, in a highly dynamic environment. For the past three years, I've been more focused on full-stack development (especially front-end) with React-Native, and other technologies as Typescript, Apollo GraphQL, Docker, Nginx and Django (Python).

Currently working as tech lead on the front-end development of a video streaming app for one of the largest fitness brands in the US, in a partnership among Profusion, Work&Co and Equinox+

### Instituto de Pesquisas Eldorado
Software Development Engineer
January 2017 - December 2017 (1 year)
Campinas, São Paulo

Worked with the Motorola's WISL team (wireless, sensors and location) identifying root causes and implementing fixes on Android's Wi-Fi and Location (GPS) stacks. Daily communication with engineering teams from Qualcomm (hardware), Google (Android AOSP) and Motorola US/India.

Development on top of a very large code base, implemented mostly in Java (Android Frameworks) and C/C++ (Native Libraries).

Contributing in parallel with a project on autonomous flight architectures.

### Intel Corporation
Software Development Engineer
January 2016 - January 2017 (1 year 1 month)
Campinas Area, Brazil

Working with a very talented team of engineers and designers on the development of open source frameworks to help programmers to implement, simulate, test and integrate with the cloud their own cutting edge embedded systems, including drones, robots and other IOT devices.

Developing software mainly in C++ on Linux environment and contributing to various open source projects.

### Evolucar - Startup
Software Development Engineer
January 2015 - January 2016 (1 year 1 month)

Main software developer of a small team of engineers that got together to develop smart automotive embedded systems with the goal of improving comfort for the driver and safety for the society.
Worked mainly with C and assembly programming for Freescale (NXP) MCUs.

### Rockwell Collins
Systems Engineering Intern
June 2013 - December 2013 (7 months)

Worked as a Systems Engineering intern on the team responsible for providing the avionics for the KC-390, the heaviest and most advanced military aircraft ever built by the Brazilian OEM Embraer.

### University of Washington Tacoma - International Students Association
Vice President Of Operations
December 2012 - June 2013 (7 months)
Tacoma, Washington

Helped to organize meetings, discussions and events to promote the inclusion of international students at UW Tacoma.

### Laboratório de Genômica e Expressão
Bioinformatics intern
March 2011 - July 2012 (1 year 5 months)

Day-to-day development of scripts, mainly in Perl, Python and Shell-script that were used to give sense to the large amount of data generated by genetic sequencers. Development and maintenance of user-friendly simple (HTML + Perl + MySQL) websites from where researchers could easily gather and compare analyzed data. Mainly responsible for the bioinformatics of Citrus (orange, tangerine) organisms.

### CTI Renato Archer
Robotics and Computational Vision Intern
January 2011 - April 2011 (4 months)

Worked in the Department of Robotics and Computer Vision with other scientific initiation students in the maintenance of a platform called AURAL, that integrates evolutionary computation, robotics and computer vision aiming to autonomously generate complex sonic structures. Responsible for developing an operator’s manual for the experimental environment and reformulating the graphical interface of the main application.

## Education

### Universidade Estadual de Campinas

Bachelor's degree, Computer Engineering · (2009 - 2015)

### University of Washington

Bachelor's degree, Computer Engineering · (2012 - 2013)

Swoogo
1925 Century Park East, Suite 1700
Los Angeles, California 90067
United States
people@swoogo.com
https://swoogo.events/

August 10, 2026

To Whom It May Concern,

I, Ryan Cowan, am writing this letter in support of Mr. Rillian Diello Lucas Pires' application, given my extensive experience leading engineering teams and assessing software professionals throughout their careers. I hold a Bachelor of Arts in Graphic Design and Computer Science from the University of Wisconsin–Whitewater and am currently the Senior Software Engineering Manager for the Customer Response Team at Swoogo, a leading event technology company that develops enterprise software solutions for organizations worldwide. Over the course of more than fifteen years, I have managed engineering organizations across multiple technology companies, mentoring engineers, evaluating technical talent, and leading the development of complex software architectures and high-impact software products. In my current role, I oversee engineering initiatives supporting mission-critical customer operations while working closely with software engineers responsible for designing, implementing, and maintaining scalable technology solutions.

I first met Mr. Rillian Diello Lucas Pires in 2024, when I joined Swoogo as the Software Engineering Manager for the Customer Response Team (CRT). By that time, he had already established himself as one of the team's key software engineers, serving as the primary technical liaison between the CRT and the Mobile Engineering team. In that capacity, he was our principal point of reference for resolving issues related to the company's legacy mobile application, bringing deep expertise in Cordova and JavaScript, as well as solid practical experience in data integration and real-time monitoring through Firebase. From the outset, we worked closely together to align customer support requirements with engineering solutions, and as his direct manager, I have the opportunity to observe his technical expertise, problem-solving abilities, and professional growth on a daily basis, for what I can attest he is a complete professional in every aspect.

One of the clearest examples of Mr. Pires' exceptional engineering capabilities was his leadership in redesigning Swoogo's large-scale data import, reporting, and file processing infrastructure. After carefully analyzing the platform, he identified a critical architectural

limitation: large customer datasets, including files containing more than 50,000 individual records, were being processed in a single operation, consuming excessive server resources, creating memory bottlenecks, increasing the risk of processing failures, and limiting the platform's ability to scale as customer demand grew. Mr. Pires independently designed and implemented a new asynchronous processing architecture that automatically divided these datasets into smaller batches of approximately 1,000 records, allowing them to be processed independently in the background. This solution fundamentally transformed how the platform handled high-volume workloads, significantly improving performance, reducing infrastructure costs, and enabling the platform to process substantially larger datasets with greater reliability. The architecture he introduced proved so effective that it remains a core component of Swoogo's technology infrastructure today.

Mr. Pires further demonstrated his technical versatility by assuming responsibility for one of Swoogo's most business-critical software integrations, our Salesforce integration, which synchronizes customer, sales, and operational information across multiple enterprise systems. Because this integration directly supports essential business operations, even minor failures could disrupt customer service, delay internal processes, and affect the experience of enterprise clients. Mr. Pires independently mastered its highly complex architecture and business logic, applying an exceptional capacity for reverse engineering and self-directed learning to fully decode an architectural design he had not originally built, quickly becoming the engineer primarily responsible for its stability and continued evolution. Through his technical leadership, critical software issues were diagnosed and resolved significantly faster, recurring system failures became substantially less frequent, and the overall reliability of this essential infrastructure improved considerably. As a result, our engineering team experienced a meaningful reduction in customer-reported incidents and was able to devote more resources to product innovation instead of repeatedly addressing preventable production issues.

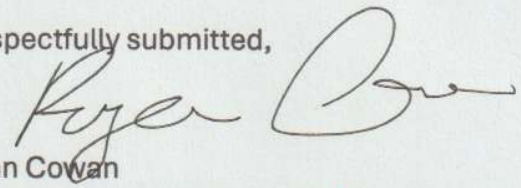
A particularly telling indicator of Mr. Pires' standing within Swoogo's engineering organization is the fact that, over the course of our work together, multiple Engineering Managers from other teams within the company requested that he be reallocated to their respective strategic initiatives. I made a deliberate decision to keep him focused on the CRT, precisely because his contributions to our team's operations were irreplaceable. This internal recognition by senior engineering leadership across the organization speaks to a level of professional reputation that extends well beyond the boundaries of any single team.

Based on my firsthand experience supervising Mr. Pires and observing the lasting impact of his work, I can state without hesitation that he is among the most capable software engineers with whom I have worked throughout my career. His exceptional ability to combine architectural vision with practical execution enables him to transform complex

technical challenges into scalable, reliable, and commercially viable software solutions. Throughout our time working together, I consistently observed his ability to anticipate future system demands, design resilient technology infrastructures, and build solutions capable of supporting long-term growth without compromising performance or reliability. These are precisely the qualities that distinguish engineers capable of creating technologies with lasting practical value. For these reasons, I offer my strongest recommendation in support of Mr. Rillian Diello Lucas Pires.

Please contact me at rcowan@swoogo.com should you need any other information regarding this letter.

Respectfully submitted,



Ryan Cowan
Senior Manager Software Engineering
Swoogo
rcowan@swoogo.com
https://www.linkedin.com/in/ryancowan/

## Contact

www.linkedin.com/in/ryancowan (LinkedIn)

## Top Skills

People Management
Ruby on Rails
PHP

## Certifications

A+
Remote Foundations Certification

# Ryan Cowan

Engineering leadership
United States

## Summary

Engineering leader with proven experience working in complex environments using monolithic frameworks and service oriented architecture. Strong experience hiring engineers, building teams supported by data/metrics, and ensuring collaboration and communication across the organization.

## Experience

### Engineering Leadership
Engineering Manager
April 2016 - Present (10 years 3 months)

### Software Engineering
Software Engineer
January 2007 - March 2016 (9 years 3 months)

Worked as a software engineer at various companies during this time period;

- Wellspring Worldwide
- Enova
- Brain Hurricane

## Education

### University of Wisconsin-Whitewater
Bachelor of Arts, Graphic Design, Computer Science · (August 2002 - December 2006)

# C.II – Second Prong: Financial Feasibility

2601 Bayshore DR.
Suite 1100 - Miami. FL 33133
+1 (786) 220-7233
customer@avenue.us



## July 01, 2026 - July 31, 2026

RILLIAN DIELLO LUCAS PIRES
RUA TREZE DE JUNHO 3015
MONTE CASTELO
79010200 CAMPO GRANDE
BRAZIL

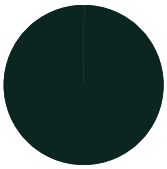
**Your Account Instructions**

- Hold Securities in Account
- Hold Proceeds

## CASH & CASH EQUIVALENTS

| | OPENING BALANCE | CLOSING BALANCE |
|---|---|---|
| Total Cash & Cash Equivalents | $ 51.61 | $ 19.02 |
| Net Account Balance | 51.61 | 19.02 |
| Securities | 60,615.79 | 62,543.53 |
| Total Priced Portfolio | 60,615.79 | 62,543.53 |
| **Total Equity Holdings** | **$ 60,667.40** | **$ 62,562.55** |

## PORTFOLIO EQUITY ALLOCATION




## ACCOUNT SUMMARY

| | THIS PERIOD | YEAR TO DATE |
|---|---|---|
| Taxable dividends | $ 37.41 | $ 247.88 |
| Non-resident tax paid | $ 11.23 | $ 63.65 |

**Brokerage services provided by Avenue Securities LLC, member FINRA/SIPC (800) 544-6666. Brokerage accounts carried by Apex Clearing Corporation, Member FINRA/SIPC and Velocity Clearing LLC, member FINRA/SIPC.**

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**July 01, 2026 - July 31, 2026**

RILLIAN DIELLO LUCAS PIRES

## **PORTFOLIO SUMMARY -** AVENUE ACCOUNT NUMBER: 385898458

| DESCRIPTION | SYMBOL/ CUSIP | ACCOUNT TYPE | QUANTITY | PRICE | MARKET VALUE | LAST PERIOD'S MARKET VALUE | % CHANGE | EST. ANNUAL INCOME | % OF TOTAL PORTFOLIO |
|---|---|---|---|---|---|---|---|---|---|
| **EQUITIES / OPTIONS** | | | | | | | | | |
| Meta Platforms Inc - Class A | META | C | 3 | 556.71 | $ 1,670.13 | $ 1,689.87 | -1.17% | $ 6 | 2.67% |
| Microsoft Corporation | MSFT | C | 8 | 464.72 | 3,717.76 | 2,984.16 | 24.58 | 33 | 5.942 |
| Tesla Inc | TSLA | C | 9 | 311.21 | 2,800.89 | 3,785.40 | -26.01 | | 4.477 |
| Apple Inc | AAPL | C | 15 | 308.91 | 4,633.65 | 4,340.40 | 6.76 | 18 | 7.406 |
| Fortinet Inc | FTNT | C | 8 | 161.95 | 1,295.60 | 1,228.96 | 5.42 | | 2.071 |
| NAPCO Security Technologies Inc | NSSC | C | 14 | 37.08 | 519.12 | 531.72 | -2.37 | 7 | 0.83 |
| NVIDIA Corp | NVDA | C | 40 | 200.75 | 8,030.00 | 8,003.60 | 0.33 | 1,152 | 12.835 |
| ExxonMobil Holdings Corp | XOM | C | 23 | 155.44 | 3,575.12 | | N/A | 85 | 5.714 |
| Amazon.com Inc. | AMZN | C | 19 | 271.58 | 5,160.02 | 4,528.46 | 13.95 | | 8.248 |
| BHP Group Limited - ADR | BHP | O | 16 | 84.49 | 1,351.84 | 1,332.96 | 1.42 | 48 | 2.161 |
| Devon Energy Corp. | DVN | C | 21 | 45.13 | 947.73 | 867.72 | 9.22 | 18 | 1.515 |
| Alphabet Inc - Class A | GOOGL | C | 16 | 356.13 | 5,698.08 | 5,717.92 | -0.35 | 11 | 9.108 |
| McDonald`s Corp | MCD | C | 4 | 270.64 | 1,082.56 | 1,081.24 | 0.12 | 24 | 1.73 |
| Berkshire Hathaway Inc. - Class B BRKB | BRK.B | C | 14 | 509.68 | 7,135.52 | 6,944.00 | 2.76 | | 11.405 |
| Walt Disney Co (The) | DIS | C | 9 | 96.19 | 865.71 | 866.25 | -0.06 | 12 | 1.384 |
| JPMorgan Chase & Co. | JPM | C | 5 | 351.79 | 1,758.95 | 1,636.65 | 7.47 | 35 | 2.812 |
| Coca-Cola Co | KO | C | 19 | 87.59 | 1,664.21 | 1,544.13 | 7.78 | 41 | 2.66 |
| Vanguard S&P 500 ETF | VOO | C | 6 | 686.65 | 4,119.90 | 4,120.86 | -0.02 | 4,438 | 6.585 |
| Vanguard FTSE Emerging Markets ETF | VWO | C | 30 | 58.75 | 1,762.50 | 1,731.01 | 1.82 | 4,188 | 2.817 |
| Bank Of America Corp. | BAC | C | 50 | 61.95 | 3,097.50 | 2,849.00 | 8.72 | 71 | 4.951 |
| VanEck Gold Miners ETF | GDX | C | 22.35816 | 74.10 | 1,656.74 | 1,686.92 | -1.79 | 1,366 | 2.648 |
| **Total Equities** | | | | | **$ 62,543.53** | | | | **99.97%** |
| **Total Cash (Net Portfolio Balance)** | | | | | **$ 19.02** | | | | **0.03%** |
| **TOTAL PRICED PORTFOLIO** | | | | | **$ 62,562.55** | | | | |

All investment positions held in an Apex Clearing Corporation or Velocity Clearing LLC cash account unless indicated otherwise.
Excess cash in your brokerage account will be swept into a money market mutual fund that will be held at JP Morgan as part of the Sweep Program, unless indicated otherwise.
Total cost does not include the cost basis on money market mutual funds or other positions where the cost basis is unknown or not applicable.

2601 Bayshore DR.
Suite 1100 - Miami. FL 33133
+1 (786) 220-7233
customer@avenue.us



**July 01, 2026 - July 31, 2026**

RILLIAN DIELLO LUCAS PIRES

## ACCOUNT ACTIVITY - AVENUE ACCOUNT NUMBER: 385898458

| TRANSACTION | DATE | ACCOUNT TYPE | DESCRIPTION | QUANTITY | PRICE | DEBIT | CREDIT |
|---|---|---|---|---|---|---|---|
| **BUY / SELL TRANSACTIONS** | | | | | | | |
| BOUGHT | 22/07/2026 | C | Débito compra de ativo VWO | 1 | 58.87 | $ 58.87 | |
| **Total Buy / Sell Transactions** | | | | | | **$ 58.87** | |
| **DIVIDENDS AND INTEREST** | | | | | | | |
| DIVIDEND | 01/07/2026 | C | Retenção Impostos sobre Dividendos DVN | | | $ 2.02 | |
| DIVIDEND | 01/07/2026 | C | Crédito dividendos DVN | | | | $ 6.72 |
| DIVIDEND | 01/07/2026 | C | Crédito dividendos VOO | | | | $ 11.77 |
| DIVIDEND | 01/07/2026 | C | Retenção Impostos sobre Dividendos VOO | | | $ 3.53 | |
| DIVIDEND | 02/07/2026 | C | Retenção Impostos sobre Dividendos KO | | | $ 3.02 | |
| DIVIDEND | 02/07/2026 | C | Crédito dividendos KO | | | | $ 10.07 |
| DIVIDEND | 07/07/2026 | C | Retenção Impostos sobre Dividendos NSSC | | | $ 0.63 | |
| DIVIDEND | 07/07/2026 | C | Crédito dividendos NSSC | | | | $ 2.10 |
| INTEREST | 16/07/2026 | C | Stock lending accrued interest | | | | $ 0.15 |
| INTEREST | 16/07/2026 | C | Retenção impostos sobre rendimentos do aluguel de ações | | | $ 0.05 | |
| DIVIDEND | 23/07/2026 | C | Retenção Impostos sobre Dividendos DIS | | | $ 2.03 | |
| DIVIDEND | 23/07/2026 | C | Crédito dividendos DIS | | | | $ 6.75 |
| **Total Dividends And Interest** | | | | | | **$ 11.28** | **$ 37.56** |

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**July 01, 2026 - July 31, 2026**

RILLIAN DIELLO LUCAS PIRES

## **CASH & CASH EQUIVALENTS -** AVENUE ACCOUNT NUMBER: 385898458

| DESCRIPTION | AMOUNT |
|---|---|
| Total Cash & Cash Equivalents | $ 19.02 |
| JP Morgan Bank DDA | $ 0.00 |
| JP Morgan U.S Government Money Market | $ 19.02 |
| Apex Cash | $ 0.00 |
| Velocity Cash | $ 0.00 |

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**July 01, 2026 - July 31, 2026**

RILLIAN DIELLO LUCAS PIRES

## DISCLOSURES

Statement Mailing: We deliver statements at least four times during the calendar year for each quarter's activities for any account with a balance. Statement Discrepancies: Please review your statement and report any inaccuracies or discrepancies. Inquiries, concerns or questions regarding your brokerage account or the activity therein should be directed to Avenue Securities by calling +1 786-220-7233 or emailing customer@avenue.us, Apex, who custodies your investments, by calling +1 214-765-1009 or Velocity by calling + 201-706-7157. Any oral communications regarding inaccuracies or discrepancies should be reconfirmed in writing to protect your rights, including those under the Securities Investor Protection Act (SIPA). This statement shall be deemed conclusive unless objected to in writing within 10 business days of the statement closing date. Material Changes: Please advise us of material changes in your investment objectives or financial situation related to your brokerage account(s). Mutual Funds and Performance: Before investing, consider the funds' investment objectives, risks, charges and expenses. Contact Avenue for a prospectus containing this information. Read it carefully. Performance data shown represents past performance and is no guarantee of future results. Investment return and principal value will fluctuate, so you may have a gain or loss when shares are sold. Current performance may be higher or lower than that quoted. Visit avenue.us for most recent month- end performance.

Sales Loads & Fees: Each fund reserves the right to terminate or modify its exchange privilege in the future. In connection with (i) access to, purchase, sale, exchange or redemption of, and/or maintenance of positions in mutual funds, ETFs and other investment products ("funds") or (ii) infrastructure needed to support such funds, some funds, or their investment affiliates, pay FBS and/or NFS sales loads and 12b-1 fees described in the prospectus as well as additional compensation for shareholder services, start-up fees, platform support and maintenance, and marketing, engagement and analytics programs. Additional information about the source(s) and amount(s) of compensation as well as other remuneration received by Avenue will be furnished to you upon written request. At the time you purchase shares of funds those shares will be assigned either a load, transaction fee (TF) or no transaction fee (NTF) status. When you subsequently sell those shares, any fees applicable to your transaction will be assessed based on the status assigned to the shares at the time of purchase.

Free Credit Balances (Excess Cash): Your free credit balances are payable on demand to you. You have authorized us in writing to sweep your free credit balances into a money market mutual fund that is in the Sweep Program. Money may be withdrawn from the Sweep Program within 1 business day of the request. You have been notified of the terms and conditions of the Sweep Program. Avenue will be able to change products available under the Sweep Program. Avenue will provide written notice at least 30 calendar days before such a change.

Order Routing: The SEC requires all broker-dealers that route orders in equity securities and options to make available quarterly reports that present a general overview of their routing practices. The reports must identify the significant venues to which customer orders were routed for execution during the applicable quarter and disclose the material aspects of the broker-dealer's relationship with such venues. In addition, the Rule (SEC 606) requires broker dealers to disclose upon customer request, the venues to which the individual customers orders were routed for the six months prior to the request, and the execution time for the order that were executed. For further information please contact customer@avenue.us.

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**July 01, 2026 - July 31, 2026**

RILLIAN DIELLO LUCAS PIRES

## DISCLOSURES

The Market Value of a security, including those priced at par value, may differ from its purchase price and may not closely reflect the value at which the security may be sold or purchased based on various market factors. The sale or redemption of any fixed income security prior to maturity may result in a loss.

Prices for Certificates of Deposits (CDs) on your statement are generally estimates and are not based on actual market prices. The secondary market for CDs is generally illiquid. You should always request a current valuation for your securities prior to making a financial decision or placing an order. The Value provided for your brokered CDs is indicative and their actual value may differ if sold on the secondary market. Avenue determines the value of your brokered CDs based on their par value, given the CD's illiquidity, plus the accrued interest based on the contract yield. The actual value of the CDs may be different from their purchase price; and a significant loss of principal could result if brokered CDs were to be sold prior to maturity.

SIPC Securities in accounts carried by Avenue Securities, Velocity Clearing and Apex Clearing are protected in accordance with the SIPC up to $500,000 (including cash claims limited to $250,000). For details, including the SIPC brochure, please see www.sipc.org or call 1-202-371-8300. Apex has arranged for additional protection for cash and covered securities to supplement its SIPC coverage. Neither coverage protects against a decline in the market value of securities.

Brokerage services are provided by Avenue, which clears all transactions through Apex and Velocity. Apex Clearing and Velocity Clearing hold all investments, and all excess cash is held in a money market mutual fund in Avenue Securities omnibus account. Both Apex and Avenue are members of FINRA and SIPC. Upon written request, Avenue will provide Avenue's and Apex's financial statement, which is also available for inspection at its office.

Avenue (with logo) is a trademark of Avenue Holding LLC.

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The summary statement is provided for the customer's convenience and includes assets that may not be held by the broker-dealer.

Summary statement does not replace any other statement(s) the customer may receive from other financial institutions that hold the customer's assets.

To the extent this summary statement aggregates the values of the various accounts summarized or portions thereof, such aggregation is recognizable as having been arithmetically derived from the separately stated totals or their components.

# Exhibit D - Personal Documents

Stamp No. 1192892CE0000000003008221

Check the Authenticity of the Digital Seal at

https://selodigital.tjsp.jus.br/

FÉDERATIVE REPUBLIC OF BRAZIL
CIVIL REGISTRY OF NATURAL PERSONS

# Birth Certificate

NAME:

## RILLIAN DIELLO LUCAS PIRES

CPF
385.898.458-26

REGISTRATION:
119289 01 55 1990 1 00004 194 0000937 66

| DATE OF BIRTH (IN FULL) | DAY | MONTH | YEAR |
|---|---|---|---|
| December twenty-seventh, nineteen ninety. | 27 | 12 | 1990 |

| TIME OF BIRTH | PLACE OF BIRTH |
|---|---|
| 10:50 AM | Jales-SP |

| CITY OF REGISTRATION AND STATE | PLACE, CITY OF BIRTH AND STATE | SEX |
|---|---|---|
| SÃO FRANCISCO - State of São Paulo | Santa Casa de Misericórdia Hospital, Jales-SP | Male |

FILIATION
OLIVAR PIRES, born in Fernandópolis-SP and ZILDA SILVA LUCAS PIRES, born in São Francisco-SP

GRANDPARENTS
ANTONIO PIRES e ANA CARLOS PIRES (paternal) and OSWALDO SILVA GOMES and ALICE LUCAS NASCIMENTO GOMES (maternal)

| TWIN | NAME AND REGISTRATION OF THE TWIN(S) |
|---|---|
| No | No record |

| DATE OF REGISTRATION (IN FULL) | NUMBER OF LIVE BIRTH CERTIFICATE |
|---|---|
| December thirty-first, nineteen ninety. | No record |

ANNOTATIONS/NOTES TO BE ADDED

Act registered in book A-4, page 194v, under No. 937. Registration date: December 31, 1990. Date of birth of the registered: December 27, 1990.
Annotation: The registered alongside is enrolled in the CPF/MF No. 385.898.458-26, according to a search carried out on this date in the Federal Revenue of Brazil (RFB) database. São Francisco-SP, 07/12/2022. I, (*), Alison dos Santos Silva, Deputy Registrar, annotated it.
Note: The registered alongside married "Luciana Lucas Gomes" on 09/08/2022, and both retained their same names, according to entry No. 30.526, page 31 of book B-115, from the Civil Registry Office of Campo Grande-MS - 9th District. São Francisco-SP, 11/29/2022. I, (ª), Wesley Tomo da Luz, Acting Registrar, noted it. Nothing further remained for me to certify. . . .

REGISTRATION NOTES

* The registration notes above do not exempt presenting the original document when required by the requesting agency.

*Registry Office*
CIVIL REGISTRY OF NATURAL PERSONS AND NOTARY PUBLIC OFFICE

*Registrar*
WESLEY TOMO DA LUZ

*City/State*
SÃO FRANCISCO/SP

*Address*
RUA SERGIPE, 1678

The content of this certificate is true. I certify.
SÃO FRANCISCO, December 26, 2022.

Wesley Tomo da Luz
Civil Registry of Natural Persons and Notary Public Office of the City of São Francisco - SP

clerk/Deputy Registrar

**Fees: To the Registrar R$ 63.75**
**ISS (Services Tax) R$ 1.29**
**To the Department of Finance R$ 12.75**
**Total R$ 77.79**

11928-9 - AA 000001927

11928-9-0010-AA000001927-1019

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: August 24, 2026.

Selo nº 1192892CE0000000003008221

Consulte a Autenticidade do Selo Digital em https://selodigital.tjsp.jus.br/

REPÚBLICA FEDERATIVA DO BRASIL
REGISTRO CIVIL DAS PESSOAS NATURAIS

# Certidão de Nascimento

NOME:

## RILLIAN DIELLO LUCAS PIRES

CPF
385.898.458-26

MATRÍCULA:
119289 01 55 1990 1 00004 194 0000937 66

| DATA DE NASCIMENTO (POR EXTENSO) | DIA | MÊS | ANO |
|---|---|---|---|
| Vinte e sete de dezembro de mil novecentos e noventa. | 27 | 12 | 1990 |

| HORA DE NASCIMENTO | NATURALIDADE |
|---|---|
| 10h50min | Jales-SP |

| MUNICÍPIO DE REGISTRO E UNIDADE DA FEDERAÇÃO | LOCAL, MUNICÍPIO DE NASCIMENTO E UF | SEXO |
|---|---|---|
| SÃO FRANCISCO - Estado de São Paulo | Santa Casa de Misericórdia, Jales-SP | Masculino |

FILIAÇÃO
OLIVAR PIRES, natural de Fernandópolis-SP e ZILDA SILVA LUCAS PIRES, natural de São Francisco-SP

AVÓS
ANTONIO PIRES e ANA CARLOS PIRES (paternos) e OSWALDO SILVA GOMES e ALICE LUCAS NASCIMENTO GOMES (maternos)

| GÊMEOS | NOME E MATRÍCULA DO(S) GÊMEO(S) |
|---|---|
| Não | Nada consta |

| DATA DE REGISTRO (POR EXTENSO) | NÚMERO DA DNV/DECLARAÇÃO DE NASCIDOS VIVOS |
|---|---|
| Trinta e um de dezembro de mil novecentos e noventa. | Não informado |

AVERBAÇÕES/ANOTAÇÕES À ACRESCER
Ato registrado no livro A-4, às folhas 194v, sob o nº 937. Data do registro: 31 de dezembro de 1990. Data de nascimento do registrado: 27 de dezembro de 1990.
Averbação: O registrado ao lado é inscrito no CPF/MF nº 385.898.458-26, conforme pesquisa realizada nesta data na base de dados da RFB. São Francisco-SP, 12/07/2022. Eu, (ª), Alison dos Santos Silva, Oficial Substituto, averbei.
Anotação: O registrado ao lado casou-se aos 08/09/2022, com "Luciana Lucas Gomes" , os quais permaneceram com os mesmos nomes, conforme termo nº 30.526, fls: 31 do livro B-115, do ORC de Campo Grande-MS - 9º Ofício. São Francisco-SP, 29/11/2022. Eu, (ª), Wesley Tomo da Luz, Oficial Interino, anotei. Nada mais me cumpria certificar. .

ANOTAÇÕES DE CADASTRO

* As anotações de cadastro acima não dispensam a apresentação do documento original, quando exigida pelo órgão solicitante.

*Nome do ofício*
OFICIAL DE REGISTRO CIVIL DAS PESSOAS NATURAIS E TABELIÃO DE NOTAS

*Oficial registrador*
WESLEY TOMO DA LUZ

*Município/UF*
SÃO FRANCISCO/SP

*Endereço*
RUA SERGIPE, 1678

O conteúdo da certidão é verdadeiro. Dou fé.
SÃO FRANCISCO, 26 de dezembro de 2022.

Wesley Tomo da Luz
Oficial de Registro Civil das Pessoas Naturais e Tabelião de Notas do Município de São Francisco-SP

escrevente/Oficial substituto

**Emols: Ao Oficial R$ 63,75**
**ISS R$ 1,29**
**A SEC. Da Fazenda R$ 12,75**
**Total R$ 77,79**

11928-9 - AA000001927

11928-9-001001-002000-1019

Rillian Diello Lucas Pires

Assinatura do titular / Signature du titulaire
Bearer's signature / Firma del titular

GA929971

Este passaporte deve ser assinado pelo titular, salvo em caso de incapacidade.

Ce passeport doit être signé par le titulaire, sauf en cas d'incapacité.

This passport must be signed, except where the bearer is unable to do so.

Este pasaporte debe ser firmado por el titular, salvo en caso de incapacidad.

# REPÚBLICA FEDERATIVA DO BRASIL

PASSAPORTE
PASSPORT



TIPO / TYPE
P

PAÍS EMISSOR / ISSUING COUNTRY
BRA

PASSAPORTE Nº / PASSPORT No
GA929971

SOBRENOME / SURNAME
LUCAS PIRES

NOME / GIVEN NAMES
RILLIAN DIELLO

NACIONALIDADE / NATIONALITY
BRASILEIRO(A)

DATA DO NASCIMENTO / DATE OF BIRTH
27 DEZ/DEC 1990

IDENTIDADE Nº / PERSONAL No

SEXO / SEX
M

NATURALIDADE / PLACE OF BIRTH
JALES/SP

FILIAÇÃO / FILIATION
OLIVAR PIRES

ZILDA SILVA LUCAS PIRES

DATA DE EXPEDIÇÃO / DATE OF ISSUE
29 NOV/NOV 2019

AUTORIDADE / AUTHORITY
SR/DPF/MS

VÁLIDO ATÉ / DATE OF EXPIRY
28 NOV/NOV 2029

P<BRALUCAS<PIRES<<RILLIAN<DIELLO<<<<<<<<<<<<
GA929971<3BRA9012271M2911283<<<<<<<<<<<<<<08

VISTOS VISAS

UNITED STATES OF AMERICA

VISA



Issuing Post Name
BRASILIA
Surname
LUCAS PIRES
Given Name
RILLIAN DIELLO
Passport Number
GA929971
Entries
M
Annotation

Control Number
20232615940001

Visa Type /Class
R B1/B2

Sex
M

Birth Date
27DEC1990

Nationality
BRZL

Issue Date
19SEP2023

Expiration Date
17SEP2033

1000

T4829259

VNUSALUCAS<PIRES<<RILLIAN<DIELLO<<<<<<<<<<<<<

GA929971<3BRA9012271M3309173B3BRAOUSD7951209

ZAMPERLINI REGISTRY OFFICE
Lucas Vinicius Cassiano Zamperlini
Registrar
Civil Registry 2nd District
Avenida Afonso Pena, 955
Campo Grande - MS

FEDERATIVE REPUBLIC OF BRAZIL
CIVIL REGISTRY OF NATURAL PERSONS

# MARRIAGE CERTIFICATE

**2nd COPY**

| NAMES | CPF |
|---|---|
| **RILLIAN DIELLO LUCAS PIRES** | 385.898.458-26 |
| **LUCIANA LUCAS GOMES** | 030.025.981-60 |

REGISTRATION:
**062000 01 55 2022 2 00115 031 0030526 66**

**FULL BIRTH NAMES, DATES OF BIRTH, PLACE OF BIRTH, NATIONALITY, AND PARENTS' NAMES OF THE SPOUSES**

**RILLIAN DIELLO LUCAS PIRES**, born on 12/27/1990, in Jales/SP, Brazilian, son of OLIVAR PIRES and ZILDA SILVA LUCAS PIRES.

**LUCIANA LUCAS GOMES**, born on 01/09/1991, in Rio de Janeiro/RJ, Brazilian, daughter of ALMIR GODOI GOMES and MARIA GORETE LUCAS GOMES.

| DATE OF MARRIAGE REGISTRATION | DAY / MONTH / YEAR |
|---|---|
| September Eighth, Two Thousand Twenty-Two | 09/08/2022 |

MARRIAGE PROPERTY SYSTEM

Partial Community of Property Regime. Article 1640 in connection with article 1658 of the Brazilian Civil Code.

NAME THAT EACH SPOUSE STARTED USING (IN CASE OF CHANGES)

**NO CHANGES RECORDED.**

NOTES ANNOTATIONS

NO RECORD.

REGISTRATION NOTES

RILLIAN DIELLO LUCAS PIRES

| DOCUMENT TYPE | NUMBER | ISSUING DATE | ISSUING AUTHORITY | EXPIRATION DATE |
|---|---|---|---|---|
| DRIVER´S LICENCE | 05281501524 | 03/02/2021 | DETRAN/MS | XXXXXXXX |

LUCIANA LUCAS GOMES

| DOCUMENT TYPE | NUMBER | ISSUING DATE | ISSUING AUTHORITY | EXPIRATION DATE |
|---|---|---|---|---|
| DRIVER´S LICENCE | 04720016200 | 08/14/2019 | DETRAN/MS | XXXXXXXX |

* The registration annotations above do not exempt the interested party from presenting the original document when required by the requesting authority or when necessary for the identification of the bearer.

ZAMPERLINI 9th NOTARY AND CIVIL REGISTRY OFFICE – CAMPO GRANDE/MS
LUCAS VINÍCIUS CASSIANO ZAMPERLINI
Avenida Afonso Pena, 955
Amambaí - ZIP Code: 79005-000
Campo Grande-MS - Phone: (67) 3046-9601
cartorio@9oficiocg.com.br

Breno Munhóz Eugenio Santos
9TH DISTRICT
Clerk

The content of this certificate is true. I certify.
Campo Grande-MS, September 8, 2022.

BRENO MUNHÓZ EUGENIO SANTOS
Authorized Clerk

Digital Seal: AAHD66325-862-NOR. Consult at www.tjms.jus.br

ARPEN BRASIL
NATIONAL ASSOCIATION OF CIVIL REGISTRARS OF NATURAL PERSONS
AA 025813304 BRP

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: August 25, 2026.

CARTÓRIO ZAMPERLINI
Lucas Vinicius Cassiano Zamperlini
Oficial
Registro Civil 2ª Circunscrição
Av. Afonso Pena, 955
Campo Grande - MS

REPÚBLICA FEDERATIVA DO BRASIL
REGISTRO CIVIL DAS PESSOAS NATURAIS

# CERTIDÃO DE CASAMENTO

1ª VIA

| NOMES | CPF |
|---|---|
| **RILLIAN DIELLO LUCAS PIRES** | 385.898.458-26 |
| **LUCIANA LUCAS GOMES** | 030.025.981-60 |

MATRÍCULA:
**062000 01 55 2022 2 00115 031 0030526 66**

**NOMES COMPLETOS DE SOLTEIRO, DATAS E LOCAIS DE NASCIMENTO, NACIONALIDADE E FILIAÇÕES DOS CÔNJUGES**

**RILLIAN DIELLO LUCAS PIRES**, nascido aos 27/12/1990, em Jales/SP, nacionalidade brasileira, filho de OLIVAR PIRES e ZILDA SILVA LUCAS PIRES.

**LUCIANA LUCAS GOMES**, nascida aos 09/01/1991, no Rio de Janeiro/RJ, nacionalidade brasileira, filha de ALMIR GODOI GOMES e MARIA GORETE LUCAS GOMES.

| DATA DO REGISTRO DO CASAMENTO | DIA / MÊS / ANO |
|---|---|
| Oito de Setembro de Dois Mil e Vinte e Dois | 08/09/2022 |

REGIME DE BENS DO CASAMENTO
Comunhão Parcial de Bens. Art. 1640 c/c art. 1658 do Código Civil Brasileiro.

NOME QUE CADA UM DOS CÔNJUGES PASSOU A UTILIZAR (QUANDO HOUVER ALTERAÇÃO)
**NÃO HOUVE ALTERAÇÃO.**

OBSERVAÇÕES AVERBAÇÕES
NADA CONSTA.

ANOTAÇÕES DE CADASTRO

RILLIAN DIELLO LUCAS PIRES

| TIPO DOCUMENTO | NÚMERO | DATA EXPEDIÇÃO | ÓRGÃO EXPEDIDOR | DATA DE VALIDADE |
|---|---|---|---|---|
| CNH | 05281501524 | 02/03/2021 | DETRAN/MS | XXXXXXXX |

LUCIANA LUCAS GOMES

| TIPO DOCUMENTO | NÚMERO | DATA EXPEDIÇÃO | ÓRGÃO EXPEDIDOR | DATA DE VALIDADE |
|---|---|---|---|---|
| CNH | 04720016200 | 14/08/2019 | DETRAN/MS | XXXXXXXX |

*As anotações de cadastro acima não dispensam a parte interessada da apresentação do documento original, quando exigido pelo órgão solicitante ou quando necessário para identificação de seu portador.

CARTÓRIO DO 9º OFÍCIO ZAMPERLINI - CAMPO GRANDE/MS
LUCAS VINÍCIUS CASSIANO ZAMPERLINI
Av. Afonso Pena, 955
Amambaí - CEP: 79005-000
Campo Grande-MS - Fone: (67) 3046-9601
cartorio@9oficiocg.com.br

Breno Munhóz Eugenio Santos
9º OFÍCIO
Escrevente

O conteúdo da certidão é verdadeiro. Dou fé
Campo Grande-MS, 08 de setembro de 2022.

BRENO MUNHÓZ EUGENIO SANTOS
Escrevente Autorizado

Selo Digital: AHD66325-862-NOR. Consulte em www.tjms.jus.br

ARPEN BRASIL AA 02581330 4 BRP
ASSOCIAÇÃO NACIONAL DOS REGISTRADORES DE PESSOAS NATURAIS

ZAMPERLINI REGISTRY OFFICE
Lucas Vinicius Cassiano Zamperlini
Registrar
Civil Registry 2nd District
Avenida Afonso Pena, 955
Campo Grande - MS

FEDERATIVE REPUBLIC OF BRAZIL
CIVIL REGISTRY OF NATURAL PERSONS

# BIRTH CERTIFICATE

NAME
## LUCIANA LUCAS GOMES

CPF
**NO RECORD**

REGISTRATION
**089342 01 55 1991 1 00612 121 0033156 28**

| DATE OF BIRTH (IN FULL) | DAY | MONTH | YEAR |
|---|---|---|---|
| JANUARY NINTH, NINETEEN NINETY-ONE. | 09 | 01 | 1991 |

| TIME OF BIRTH | PLACE OF BIRTH |
|---|---|
| 1:06 PM | RIO DE JANEIRO - RJ |

| CITY OF REGISTRATION AND STATE | PLACE, CITY OF BIRTH AND STATE | SEX |
|---|---|---|
| RIO DE JANEIRO - RJ | MATERNITY OF AMPARO FEMININO DE 1912 - RIO COMPRIDO RIO DE JANEIRO - RJ | FEMALE |

FILIATION
**ALMIR GODOI GOMES, BORN IN THE STATE OF RIO GRANDE DO SUL, RESIDING AT RUA SANTA CLARA 271, 208, COPACABANA AND MARIA GORETE LUCAS GOMES, BORN IN THE STATE OF MINAS GERAIS**

GRANDPARENTS
**PATERNAL GRANDPARENTS: ALCEBIDES GOMES AND CLARINDA GODOI. MATERNAL GRANDPARENTS: GERALDO LUCAS EVANGELISTA AND MARIA TEIXEIRA EVANGELISTA**

| TWIN | NAME AND REGISTRATION OF THE TWIN(S) |
|---|---|
| NO | |

| DATE OF REGISTRATION (IN FULL) | NUMBER OF LIVE BIRTH CERTIFICATE |
|---|---|
| JANUARY TENTH, NINETEEN NINETY-ONE. | NO RECORD |

ANNOTATIONS/NOTES TO BE ADDED
**THE DECLARANT WAS ALMIR GODOI GOMES. MARRIAGE ANNOTATION ON 12/01/2022: PURSUANT TO ARTICLE 106 OF LAW 6015/73, I HEREBY DECLARE THAT THE REGISTERED MARRIED RILLIAN DIELLO LUCAS PIRES, AS DRAWN UP ON 09/08/2022, IN BOOK B-115, PAGE 31, ENTRY 30526, OF THE CIVIL REGISTRY OFFICE OF NATURAL PERSONS - 9TH DISTRICT OF CAMPO GRANDE - MS. AFTER THE ACT, THE CONTRACTING PARTIES RETAINED THEIR BIRTH NAMES. RECORD MADE IN BOOK A-612, PAGE 121, ENTRY 33156. X-X-X**

REGISTRATION NOTES
**NO RECORD**

I certify that, on January 3, 2023, this certificate sent by the Civil Registry Information Center was materialized, and its authenticity under the ICP-Brasil standard digital signature was verified by me.
Certificate drawn up by THAYS CRISTINA LUZ DE PAULA - CLERK of the Civil Registry of Natural Persons of Rio de Janeiro, 7th Civil Registry of Natural Persons, who electronically signed it on December 29, 2022, pursuant to Provision No. 46/2015 of the National Council of Justice.

Civil Registry Office of Natural Persons
Rio de Janeiro - 7th Civil Registry Office of Natural Persons - RJ
José Mauro Cavalcanti - Registrar
Rua Joaquim Palhares, 267 - Estácio - ZIP Code: 20260-080
Email: cartorio@setimoregistrocivil.com.br
Phone (21) 22134486

The content of this certificate is true. I certify.

Campo Grande - 9th District
Lucas Vinícius Cassiano Zamperlini - Registrar
Amount received for the electronic certificate: R$ 149,96
Amount received for the materialization: R$ 40,65

Judiciary - TJERJ
(Cort of Justice of the State of Rio de Janeiro)
Judicial Administrative Department
Electronic Inspection Seal
**EEJS-91439ZBF**
Check stamp validity at:
https://www3.tjrj.jus.br/sitepublico
Within 2 business days from the issuance of this document

Digital Seal: AHR69785-707-NOR
Check Digital Seal at www.tjms.jus.br

Michele Caroline Antunes
9TH DISTRICT
Clerk

ARPEN BRASIL
NATIONAL ASSOCIATION OF CIVIL REGISTRARS OF NATURAL PERSONS
AA 028259276 BRP

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: August 25, 2026.

CARTÓRIO ZAMPERLINI
Lucas Vinicius Cassiano Zamperlini
Oficial
Registro Civil 2ª Circunscrição
Av. Afonso Pena, 955
Campo Grande - MS

REPÚBLICA FEDERATIVA DO BRASIL
REGISTRO CIVIL DAS PESSOAS NATURAIS

# CERTIDÃO DE NASCIMENTO

NOME
## LUCIANA LUCAS GOMES

CPF
**SEM INFORMAÇÃO**

MATRÍCULA
**089342 01 55 1991 1 00612 121 0033156 28**

| DATA DE NASCIMENTO (POR EXTENSO) | DIA | MÊS | ANO |
|---|---|---|---|
| NOVE DE JANEIRO DE MIL NOVECENTOS E NOVENTA E UM. | 09 | 01 | 1991 |

| HORA DE NASCIMENTO | NATURALIDADE |
|---|---|
| 13:06:00.0 | RIO DE JANEIRO - RJ |

| MUNICÍPIO DE REGISTRO E UNIDADE DA FEDERAÇÃO | LOCAL. MUNICÍPIO DE NASCIMENTO E UF | SEXO |
|---|---|---|
| RIO DE JANEIRO - RJ | MATERNIDADE DO AMPARO FEMININO DE 1912 - RIO COMPRIDO RIO DE JANEIRO - RJ | FEMININO |

FILIAÇÃO
**ALMIR GODOI GOMES, NATURAL DE ESTADO DO RIO GRANDE DO SUL, RESIDENTE NA RUA SANTA CLARA 271, 208, COPACABANA E MARIA GORETE LUCAS GOMES, NATURAL DE ESTADO DE MINAS GERAIS**

AVÓS
**AVÓS PATERNOS: ALCEBIDES GOMES E CLARINDA GODOI. AVÓS MATERNOS: GERALDO LUCAS EVANGELISTA E MARIA TEIXEIRA EVANGELISTA**

| GÊMEOS | NOME E MATRÍCULA DOS GÊMEOS |
|---|---|
| NÃO | |

| DATA DO REGISTRO (POR EXTENSO) | NÚMERO DA DNV/DECLARAÇÃO DE NASCIDO VIVO |
|---|---|
| DEZ DE JANEIRO DE MIL NOVECENTOS E NOVENTA E UM. | SEM NÚMERO |

AVERBAÇÕES / ANOTAÇÕES À ACRESCER
**FOI DECLARANTE ALMIR GODOI GOMES. ANOTAÇÃO DE CASAMENTO EM 01/12/2022: NOS TERMOS DO ART. 106 DA LEI 6015/73, DECLARO QUE A REGISTRADA CASOU-SE COM RILLIAN DIELLO LUCAS PIRES, CONFORME LAVRADO EM 08/09/2022, NO LIVRO B - 115, FOLHAS 31, TERMO 30526, DO RCPN - 9º OFÍCIO DE CAMPO GRANDE - MS. OS CONTRAENTES APÓS O ATO, CONTINUARAM COM OS NOMES DE SOLTEIROS. REGISTRO FEITO NO LIVRO A-612, FOLHA 121, TERMO 33156. X-X-X**

ANOTAÇÕES DE CADASTRO
**SEM INFORMAÇÕES.**

Certifico que, em data de 03 de Janeiro de 2023, foi materializada esta certidão enviada pela Central de Informações do Registro Civil, sendo a autenticidade de sua assinatura digital padrão ICP-Brasil por mim conferida.

Certidão lavrada por THAYS CRISTINA LUZ DE PAULA - ESCREVENTE do Registro Civil das Pessoas Naturais de Rio de Janeiro - Ofício do 7º RCPN , o(a) qual assinou eletronicamente aos 29 de Dezembro de 2022, nos termos do Provimento nº 46/2015 do Conselho Nacional de Justiça.

Oficial de Registro Civil das Pessoas Naturais
Rio de Janeiro - Ofício do 7º RCPN - RJ
José Mauro Cavalcanti - Oficial
Rua Joaquim Palhares, 267 - Estácio - CEP: 20260-080
E-mail: cartorio@setimoregistrocivil.com.br
Tel: (21) 22134486

O Conteúdo da Certidão é verdadeiro. Dou Fé,

Campo Grande - 9º Ofício
Lucas Vinícius Cassiano Zamperlini - Oficial
Valor recebido pela certidão eletrônica: R$ 149,96
Valor recebido pela materialização: R$ 40,65

Poder Judiciário - TJERJ
Corregedoria Geral da Justiça
Selo de Fiscalização Eletrônico
**EEJS-91439ZBF**
Consulte validade do selo em:
https://www3.tjrj.jus.br/sitepublico
Dentro de 2 dias úteis a partir da emissão deste documento

Selo Digital: AHR69785-707-NOR
Consulta de Selo Digital - www.tjms.jus.br

Michele Caroline Antunes
9º OFÍCIO
Escrevente

ARPEN BRASIL AA 028259276 BRP
ASSOCIAÇÃO NACIONAL DOS REGISTRADORES DE PESSOAS NATURAIS

FEDERATIVE REPUBLIC OF BRAZIL
CIVIL REGISTRY OF NATURAL PERSONS

# BIRTH CERTIFICATE

NAME

**MIGUEL LUCAS GOMES PIRES**

CPF NUMBER

**126.592.491-05**

REGISTRATION

**062901 01 55 2025 1 01375 290 0457367 19**

| DATE OF BIRTH | | | | DAY/MONTH/YEAR |
|---|---|---|---|---|
| JULY FIRST, TWO THOUSAND TWENTY-FIVE | | | | 07/01/2025 |
| TIME OF BIRTH | CITY OF BIRTH | | | STATE |
| 7:32 AM | CAMPO GRANDE | | | MS |
| PLACE OF BIRTH | CITY OF BIRTH | STATE | SEX | |
| CÂNDIDO MARIANO MATERNITY (A.A.M.I.) | CAMPO GRANDE | MS | MALE | |
| PARENT´S NAME | CITY OF BIRTH | | | STATE |
| LUCIANA LUCAS GOMES | RIO DE JANEIRO | | | RJ |
| RESPECTIVE GRANDPARENTS | | | | |
| MARIA GORETE LUCAS GOMES; ALMIR GODOI GOMES | | | | |
| PARENT´S NAME | CITY OF BIRTH | | | STATE |
| RILLIAN DIELLO LUCAS PIRES | JALES | | | SP |
| RESPECTIVE GRANDPARENTS | | | | |
| ZILDA SILVA LUCAS PIRES; OLIVAR PIRES | | | | |
| TWIN | | | | |
| NO | | | | |
| DATE OF REGISTRATION | | | | NUMBER OF LIVE BIRTH CERTIFICATE |
| JULY SECOND, TWO THOUSAND TWENTY-FIVE | | | | 30878448316 |

ANNOTATIONS/NOTES

Certificate extracted from Book A-1.375, Page 290, Entry 457.367
CPF NO. 126.592.491-05, ISSUED WITH THE AGREEMENT ENTERED INTO BY AND BETWEEN THE FEDERAL REVENUE SERVICE/ASSOCIATION OF CIVIL REGISTRARS OF NATURAL PERSONS OF SÃO PAULO (ARPEN-SP) AND FEDERAL REVENUE OF BRAZIL (RFB) NORMATIVE INSTRUCTION 1548/15, PROVISION 13 OF 09/03/2010, AND PROVISION 17 OF 10/08/2012, BOTH ISSUED BY THE NATIONAL COUNCIL OF JUSTICE (C.N.J.), AS WELL AS PROVISION NO. 93/2013 ISSUED BY THE JUDICIAL ADMINISTRATIVE DEPARTMENT OF THE STATE OF MATO GROSSO DO SUL (CGJ/MS). THIS RECORD WAS DRAWN UP THROUGH THE INTERCONNECTED SYSTEM AT THE INTERCONNECTED UNIT OF THE AAMI MATERNITY, UNDER THE RESPONSIBILITY OF THE 1ST CIVIL REGISTRY OFFICE OF THIS JUDICIAL DISTRICT

VOLUNTARY REGISTRATION NOTES

No record.

CNS nº 06290-1
Civil Registry Office of Natural Persons
Campo Grande - MS

RICARDO KLING DONINI
Notary Public and Civil Registrar
Rua 15 de Novembro. 940. Centro - ZIP Code: 79002-141
Campo Grande-MS

The content of this certificate is true. I certify.
Campo Grande-MS, July 2, 2025.

LUCIMARA ANGÉLICA DE OLIVEIRA RICARTE BESTETI
Sworn Clerk

Digital Seal: ABT84024-660-IGB
Consult at https://www.tjms.jus.br/corregedoria/pesquisa-selo
Fees: Free of charge, article 28 of Law No. 6.183/23.

VALID ONLY WITH THE SEAL OF AUTHENTICITY
2nd DISTRICT
Donini Registry Office
CAMPO GRANDE - MS

Digitally signed by MARINA ROSE DE OLIVEIRA:324••••••49 - Server time: 07/02/2025 1:10:33 PM

HA 001891443

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: August 25, 2026.

REPÚBLICA FEDERATIVA DO BRASIL
REGISTRO CIVIL DAS PESSOAS NATURAIS

# CERTIDÃO DE NASCIMENTO

NOME
**MIGUEL LUCAS GOMES PIRES**

NÚMERO DO CPF
**126.592.491-05**

MATRÍCULA
**062901 01 55 2025 1 01375 290 0457367 19**

| DATA DE NASCIMENTO | | | DIA/MÊS/ANO |
|---|---|---|---|
| PRIMEIRO DE JULHO DE DOIS MIL E VINTE E CINCO | | | 01/07/2025 |
| **HORÁRIO DE NASCIMENTO** | **MUNICÍPIO DA NATURALIDADE** | | **UF** |
| 07:32 HORAS | CAMPO GRANDE | | MS |
| **LOCAL DE NASCIMENTO** | **MUNICÍPIO DE NASCIMENTO** | **UF** | **SEXO** |
| MATERNIDADE A.A.M.I. | CAMPO GRANDE | MS | MASCULINO |
| **NOME DO(A) GENITOR(A)** | **MUNICÍPIO DE NASCIMENTO** | | **UF** |
| LUCIANA LUCAS GOMES | RIO DE JANEIRO | | RJ |
| **AVÔ(Ó)(S) RESPECTIVO(S)** | | | |
| MARIA GORETE LUCAS GOMES; ALMIR GODOI GOMES | | | |
| **NOME DO(A) GENITOR(A)** | **MUNICÍPIO DE NASCIMENTO** | | **UF** |
| RILLIAN DIELLO LUCAS PIRES | JALES | | SP |
| **AVÔ(Ó)(S) RESPECTIVO(S)** | | | |
| ZILDA SILVA LUCAS PIRES; OLIVAR PIRES | | | |
| **GÊMEO** | | | |
| NÃO | | | |
| **DATA DO REGISTRO** | | | **D.N.V.** |
| DOIS DE JULHO DE DOIS MIL E VINTE E CINCO | | | 30878448316 |

**AVERBAÇÕES/ANOTAÇÕES**

**Certidão extraída do livro A-1.375, Fls 290, Termo 457.367**
**CPF N. 126.592.491-05, EMITIDO CONFORME CONVÊNIO CELEBRADO ENTRE RECEITA FEDERAL/ARPEN-SP E INSTRUÇÃO NORMATIVA RFB 1548/15, PROV. 13 DE 03/09/2010 e PROV. 17 DE 10/08/2012, AMBOS DO C.N.J., BEM ASSIM PROV. N. 93/2013 DA CGJ/MS. O PRESENTE ASSENTO LAVRADO POR MEIO DO SISTEMA INTERLIGADO NA UNIDADE INTERLIGADA MATERNIDADE AAMI, SOB RESPONSABILIDADE DA 1ª CIRCUNSCRIÇÃO DE REGISTRO CIVIL DESTA COMARCA**

**ANOTAÇÕES VOLUNTÁRIAS DE CADASTRO**

Sem informações.

CNS nº 06290-1
Oficial de Registro Civil de Pessoas Naturais
Campo Grande-MS

RICARDO KLING DONINI
Tabelião de Notas e Oficial de Registro Civil

Rua 15 de Novembro, 940, Centro - CEP: 79002-141
Campo Grande-MS

O conteúdo da certidão é verdadeiro. Dou fé
Campo Grande-MS, 02 de julho de 2025.

LUCIMARA ANGÉLICA DE OLIVEIRA RICARTE BESTETI
Escrevente Compromissada

Selo Digital: ABT84024-660-IGB
Consulte em https://www.tjms.jus.br/corregedoria/pesquisa-selo
Emolumentos: Gratuito, art. 28 da Lei 6.183/23.

VÁLIDO SOMENTE COM SELO DE AUTENTICIDADE
20 OFÍCIO Cartório Donini
CAMPO GRANDE - MS

HA 00189144 3

Assinado digitalmente por MARINA ROSE DE OLIVEIRA:824*****49 - Hora do servidor: 02/07/2025 13:10:33

GC749297

Luciana L.P. Gomes

Assinatura do titular / Signature du titulaire
Bearer's signature / Firma del titular

Este passaporte deve ser assinado pelo titular,
salvo em caso de incapacidade.

Ce passeport doit être signé par le titulaire,
sauf en cas d'incapacité.

This passport must be signed,
except where the bearer is unable to do so.

Este pasaporte debe ser firmado por el titular,
salvo en caso de incapacidad.

# REPÚBLICA FEDERATIVA DO BRASIL

PASSAPORTE
PASSPORT



TIPO / TYPE
P

PAÍS EMISSOR / ISSUING COUNTRY
BRA

PASSAPORTE Nº / PASSPORT No
GC749297

SOBRENOME / SURNAME
LUCAS GOMES

NOME / GIVEN NAMES
LUCIANA

NACIONALIDADE / NATIONALITY
BRASILEIRO(A)

DATA DO NASCIMENTO / DATE OF BIRTH
09 JAN/JAN 1991

IDENTIDADE Nº / PERSONAL No

SEXO / SEX
F

NATURALIDADE / PLACE OF BIRTH
RIO DE JANEIRO/RJ

FILIAÇÃO / FILIATION
ALMIR GODOI GOMES

MARIA GORETE LUCAS GOMES

DATA DE EXPEDIÇÃO / DATE OF ISSUE
26 JUL/JUL 2021

AUTORIDADE / AUTHORITY
SR/DPF/MS

VALIDO ATÉ / DATE OF EXPIRY
25 JUL/JUL 2031

P<BRALUCAS<GOMES<<LUCIANA<<<<<<<<<<<<<<<<<<<<
GC749297<6BRA9101092F3107254<<<<<<<<<<<<<<08

Menor de 12 anos de idade
Child under the age of 12

Assinatura do titular / *Signature du titulaire* /
*Bearer's signature* / *Firma del titular*

REPÚBLICA FEDERATIVA DO BRASIL

GO880001

Este passaporte deve ser assinado pelo titular, salvo em caso de incapacidade.

*Ce passeport doit être signé par le titulaire, sauf en cas d'incapacité.*

*This passport must be signed, except where the bearer is unable to do so.*

*Este pasaporte debe ser firmado por el titular, salvo en caso de incapacidad.*



REPÚBLICA FEDERATIVA DO BRASIL

PASSAPORTE
*PASSPORT*

TIPO / *TYPE*: P
PAÍS EMISSOR / *ISSUING COUNTRY*: BRA
PASSAPORTE Nº / *PASSPORT No.*: GO880001

SOBRENOME / *SURNAME*
**LUCAS GOMES PIRES**

NOME / *GIVEN NAMES*
**MIGUEL**

NACIONALIDADE / *NATIONALITY*
**BRASILEIRO(A)**

DATA DO NASCIMENTO / *DATE OF BIRTH*: **01 JUL/JUL 2025**
CPF / *PERSONAL NUMBER*: **126592491-05**

SEXO / *SEX*: **M**
NATURALIDADE / *PLACE OF BIRTH*: **CAMPO GRANDE/MS**

FILIAÇÃO / *FILIATION*
**RILLIAN DIELLO LUCAS PIRES**

**LUCIANA LUCAS GOMES**

**O titular, enquanto menor, está autorizado pelos genitores, pelo prazo deste documento, a viajar apenas com um dos pais, indistintamente. Res. CNJ 131/11, Art. 13.**

DATA DE EXPEDIÇÃO / *DATE OF ISSUE*: **17 JUL/JUL 2026**
AUTORIDADE / *AUTHORITY*: **SR/PF/MS**

VÁLIDO ATÉ / *DATE OF EXPIRY*: **16 JUL/JUL 2028**





P<BRALUCAS<GOMES<PIRES<<MIGUEL<<<<<<<<<<<<<<

GO880001<1BRA2507019M2807166126592491O5<<<48

VISTOS VISAS

UNITED STATES OF AMERICA

VISA



Issuing Post Name
BRASILIA
Surname
LUCAS GOMES
Given Name
LUCIANA
Passport Number
GC749297
Entries
M
Annotation

Control Number
20232583440001

Visa Type /Class
R B1/B2

Sex
F

Birth Date
09JAN1991

Nationality
BRZL

Issue Date
19SEP2023

Expiration Date
17SEP2033

0101

T4829260

VNUSALUCAS<GOMES<<LUCIANA<<<<<<<<<<<<<<<<<<<<<

GC749297<6BRA9101092F3309173B3BRAOUSD8341366