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Back End Developer – Full Stack Developer – RPA Developer

Professional Summary

- Currently, I am a **Software Developer** at **Banco do Brasil**, working on **cloud-based microservices** development to optimize operational costs and increase the scalability of the bank's operations. I am involved in strategic projects, such as **creating APIs** for the credit analysis team, eliminating external mainframe queries, and ensuring greater security and efficiency. I work with technologies like **Java, Quarkus, Hibernate, Insomnia, and Swagger**, always maintaining a clean codebase, optimized **SQL** queries, and following best practices in software architecture. My experience with agile methodologies (**Kanban and Scrum**) enhances my adaptability and consistent value delivery.
- I play an active role in **technical refinements** and alignment with multidisciplinary teams, including **compliance** and regulatory groups, ensuring that technical requirements are met without compromising compliance. I prioritize clear and objective project documentation, contributing to the continuity of work by other developers and facilitating future evolutions. Active collaboration and effective communication are key differentiators I apply daily, helping to maintain a **smooth and organized development flow**.
- In my previous experience, I was a **pioneer in process automation** within the HR department, creating solutions that **reduced manual task time by up to 98%**, in addition to enabling operations that would be impossible manually. This initiative led me to transition to the IT area, where I worked as a **Process and Automation Analyst**. I managed and implemented **five automation projects** using technologies such as **UiPath, VBA, VB.NET, HTML, CSS, JavaScript, and Arduino**, often learning new tools while executing the projects. My documentation became a reference in the company, and the automations developed are still in use today, leaving a positive legacy.
- Beyond my corporate experiences, I developed **independent projects for private clients**, including **Single Page Applications (SPA) with React.js**, desktop systems for task automation with **Python and Tkinter**, Excel spreadsheet automations with **VBA macros**, and web applications using **Flask**. I also provided support for **WordPress** websites, performing maintenance, design improvements, and **SEO optimization**. I always strive to deliver **efficient and scalable** solutions, maintaining technical quality and adding value to businesses, aiming to grow in my career and be recognized for my **technical expertise**, whether in my current position or in new opportunities.

Tools, Programming and Spoken Languages

- **Programming:** Java, Python, Javascript, Typescript, PHP, VBA, VB .NET, SQL,T-SQL, HTML, CSS
- **Tools:** Quarkus, Hibernate, Flask, Django, Swing, Tkinter, Pandas, Numpy, Matplotlib, JQuery, React.js, Node.js, Express, SQLite, SQL Server, PostgreSQL, Oracle, MongoDB, Git, Docker, Netlify, Bootstrap, Selenium, Microsoft Office, GCP, AWS, GitHub, API, REST, Agile, SCRUM, Kanban, Canva, Astah UML, Draw.io
- **Languages:** Portuguese (Native), English (C2), Italian (C1), German (A2)

Professional Experience

• IT Analyst III

Banco do Brasil (September/2023 – Present)

I work in the development of cloud microservices in the registration and credit analysis area, aiming to reduce mainframe consumption, optimize operational costs, and improve the scalability of the bank's operations. I actively participate in developing efficient services, ensuring a clean codebase, optimized SQL queries, and best software architecture practices to guarantee high performance and security. I collaborate closely with regulatory and compliance teams, contributing to technical refinements and offering suggestions during project planning. My work includes creating smaller microservices that integrate into larger solutions, such as a service for returning registration notes and listing system domains via cloud.

Currently, I am involved in a large-scale project that integrates external APIs for automatic queries and database maintenance for the credit analysis team. To ensure security and modularity of the architecture, the project was divided into dedicated microservices, each with a specific function, providing greater control and ease of maintenance. I use technologies such as Java with Quarkus and Hibernate for development, as well as tools like Insomnia and Swagger for API testing. I work in an agile environment, using Kanban and Scrum methodologies to organize demands and deliver continuous value to the bank. Additionally, I am responsible for detailed documentation of the developed solutions, ensuring continuity and facilitating future project evolutions.

• Process and Automation Analyst

Grupo Rovema – CSC (January/2023 – August/2023)

Responsible for managing, developing, and implementing technological tools for automating business processes in various departments of the company. I participate in the structuring of processes, identifying opportunities for optimization and improvement. The developed automations are thoroughly documented to ensure project organization and continuity. Key achievements:

- 1 - SoftExpert (BPMNS): Developed rules for forms using the tool's syntax and built SQL queries for generating reports and analysis dashboards. Collaborated in structuring the company's processes within the platform.
- 2 - Weni (Chatbot): Led the evaluation and comparison of platforms, conducted meetings with stakeholders, and ensured the best choice for the project. Responsible for building the communication flows with the ERPs used in the company for automated customer service and CRM campaign flows.
- 3 - Tax Extraction System (RPA): Developed a UiPath system for extracting data from XML-format invoices and consolidating the data into an Excel spreadsheet. The process runs in the background without interfering with machine usage, extracting 48 columns every 16 seconds. The project facilitated a judicial recovery process by performing an activity that would be impractical to do manually, with 100% accuracy in the extracted data. Provided support, when necessary, to automations and projects previously developed by me.

• RPA Developer

Grupo Rovema – CSC (June/2022 – January/2023)

Responsible for analyzing employee requests to ensure feasibility, planning and developing automations, providing necessary support, and thoroughly documenting the projects. Key achievements:

- 1 - Solar Power Plant Model: Undertook an Arduino automation project before fully understanding how to execute such a task. The project involved a model with two axes, each containing six solar panels on both sides. Each axis has a servo motor and an LDR sensor. An Arduino system compares the sensors and moves the servo motors to align the panels with the highest light incidence. I was responsible for planning the entire automation process, including motor selection, cable configuration, and code programming.
- 2 - Online Resume Search (RPA): Developed a UiPath system for extracting data from profiles on online platforms. The system presents a form where the user inputs job parameters. It then accesses each selected source and extracts the data, consolidating it into an Excel spreadsheet for easy user analysis. The project reduced the execution time of the manual task by over 90% and provided facilitated and accurate analysis, increasing satisfaction for Recruitment and Selection professionals.
- 3 - Provided support for the implementation of the SAP B1 system, assisting in data export/import with the previously used ERP and training users in the new system. Although the project was not initially within my scope, I observed the team's need.

• Human Resources Assistant

Grupo Rovema – CSC (August/2021 – June/2022)

Responsible for assisting in recruitment and selection processes, scheduling interviews and providing feedback, conducting Excel tests for basic and intermediate levels, collecting documents from candidates in the hiring process, sending welcome messages to new employees on their start dates, and sending probationary period forms to managers. During this period, I identified process improvement opportunities within my department and, after starting programming studies, was encouraged by my manager to implement process automation projects. Key achievements:

- 1 - Message Dispatch System (RPA): Automated the task of sending welcome messages to new employees. Developed VBA macros in the spreadsheet used by the HR team to track admissions, identifying employees with the current date of admission and initiating the message-sending process using Selenium via WhatsApp Web.

Education

- **Software Engineering**

In progress – UNICESUMAR (01/2022 – 12/2025)

- **Introduction to Computer Science (CS50x)**

Completed ([Certificate](#)) – HarvardX – 120 hours – Jan-Mar/2022

- **Complete Web Development Bootcamp**

Completed ([Certificate](#)) – Udemy – 65 hours – Apr-May/2022

- **Complete UiPath RPA Developer Course**

Completed ([Certificate](#)) – Udemy – 11 hours – Jun/2022

- **Machine Learning A-Z: Hands-On Python In Data Science**

Completed ([Certificate](#)) – Udemy – 45 hours – Jul/2022

- **Java Courses**

Creating first application – ([Certificate](#)) – Alura – 8 hours – Jan/2024

Applying object orientation - ([Certificate](#)) – Alura – 10 hours – Jan-Feb/2024

Working with lists and data collections - ([Certificate](#)) – Alura – 8 hours – Feb/2024

Consuming API, recording files and dealing with errors - ([Certificate](#)) – Alura – 10 hours – Feb/2024

Maven: Dependencies management and Java applications build - ([Certificate](#)) – Alura – 8 hours – Mar-Apr/2024