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Objective

To leverage my expertise in **automation engineering** and **full stack development** to build scalable solutions that enhance operational efficiency. I aim to apply my skills in Django, Selenium, CI/CD, cloud technologies, and process automation to create robust platforms and contribute to continuous improvements in the development process.

Professional Summary

QA Automation Engineer and Full Stack Developer with a strong foundation in Python, web development, and process automation. Experienced in designing, developing, and maintaining scalable applications using Django, React, and integrating RESTful APIs. Skilled in automating workflows with tools like Selenium, PyAutoGUI, and Celery to improve productivity and reduce manual intervention. Proficient in CI/CD pipelines and cloud platforms such as AWS. Passionate about Agile methodologies and driving continuous product and process improvement.

Technical Expertise

- **Programming Languages**: Python, JavaScript, TypeScript, SQL, C, C++
- **Web Development**: Django, React, RESTful APIs
- **Automation**: Selenium, PyAutoGUI, Celery, Cron Jobs
- **CI/CD**: GitHub Actions, Jenkins, Docker
- **Cloud Platforms**: AWS
- **Databases**: PostgreSQL, MongoDB, Redis
- **Tools & Practices**: Git, JIRA, Figma, Agile (Scrum), Jupyter Notebook
- **Data Analysis & BI**: Power BI, Pandas, Numpy, Matplotlib

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Key Projects

Workflow Automation Platform (Django, Selenium, PyAutoGUI)

- Developed a Django-based web application to automate repetitive workflows, integrating Selenium for browser automation and PyAutoGUI for GUI-based task automation.
- Implemented role-based access control, real-time task tracking, and achieved significant efficiency improvements by reducing manual processes.

Email Scheduling and Dispatch System

- Built a Python-based email automation system, utilizing SMTP libraries for seamless email dispatch and Celery for task scheduling.
- Developed a user-friendly interface to manage email workflows, automate follow-ups, and notifications, improving communication efficiency and reducing manual effort by 60%.

Sales Performance Tracking & Forecasting System

- Developed a machine learning model using Python and scikit-learn to predict sales performance.
- Automated data collection, processing, and reporting through ETL pipelines, delivering actionable insights via Power BI dashboards.

Professional Experience

Freelancer – QA Automation Engineering & Full Stack Development
Remote

- Engineered backend and full stack solutions using Python, Django, and React to streamline business workflows and enhance scalability.
- Automated testing using Selenium to ensure software quality and implemented PyAutoGUI to automate GUI processes, reducing manual efforts by 50%.
- Designed and maintained REST APIs for third-party system integration and improved development cycles by integrating CI/CD pipelines with GitHub Actions.
- Collaborated with clients in Agile sprints, delivering solutions aligned with business requirements and deadlines.

Education

Bachelor's in Computer Engineering
Universidade Veiga de Almeida, Rio de Janeiro
Expected Graduation: December 2027

High School
International School, China, with study abroad experience in the United States
GPA: 3.8/4.0

Professional Skills

- **Analytical thinking**: Focus on solving complex problems with efficient and reliable solutions.
- **Attention to detail**: High emphasis on code quality, testing, and best practices.
- **Proactive & adaptable**: Comfortable working both independently and collaboratively.
- **Multilingual communicator**: Fluent in English and Portuguese, intermediate proficiency in Mandarin.

Certifications & Relevant Coursework

- CS50P – Python, Harvard University
- AI Fundamentals – IBM Skillsbuild
- Power BI for Business Intelligence – Maven Analytics
- Introduction to Data Science and Machine Learning – Cisco
- Informatica ETL Software – Informatica Documentation

Additional Information

- Flexible and fully authorized to work as a contractor from Brazil.
- Enthusiastic about applying my automation and full-stack skills to enhance operational excellence and drive innovation.

Vinicius Larsen Santos – QA Automation Engineer/ Fullstack Dev