

Lara Matos Aguirres

Eng. Software

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Apresentation

My journey as a developer began in 2022, when I started studying programming on my own. Since then, I have been learning Java, Python, and TypeScript, among other technologies. I am currently pursuing a degree in Software Engineering at the international university Jala University, where I have deepened my knowledge in requirements analysis, backlog management, coding best practices, source control (SCM), technical documentation, unit testing, continuous integration and delivery (CI/CD), and project presentations to clients.

In addition, my expertise includes distributed systems, protection and security, and containerization with Docker, consolidating my role as a fullstack developer focused on robust, scalable, and well-documented solutions.

Qualification

- Back-end:
 - Java (8, 11, 17), Spring Boot, JPA, Hibernate, Maven, Node.js, Python
- Front-end:
 - React.js, TypeScript, JavaScript, HTML, CSS, Bootstrap
- Databases:
 - PostgreSQL, MySQL, MongoDB, Firebase, Oracle, SQL Server
- Dev Tools & IDEs:
 - Git, GitHub, GitLab, IntelliJ, VS Code, Eclipse
- Project Manangement:
 - Requirements analysis, source control (SCM), Agile methodology, backlog processing, technical documentation

- Others skills:
 - JUnit, Mockito, Unit Testing, Clean Code, Continuous Integration (CI/CD), Document AI, distributed systems, protection and security, and Docker containerization

Experience

- Control RPA
 - Developed and maintained automation bots for invoice collection across various websites, using predefined instructions and tools like Insomnia for testing and integration simulations.
 - Migrated bots to a new platform, rebuilding processes to ensure compatibility, performance, and stability.
 - Implemented performance, security, and efficiency improvements in existing bots through continuous analysis and code optimization.
 - Managed suppliers and invoice templates by registering data into the new system, ensuring document availability for automation.
 - Monitored bot performance in production to ensure correct operation, website availability, and data sufficiency.
 - Managed access control and data availability analysis, assessing websites and data for automated reading model creation.
 - Contributed to AI system training (Document AI), teaching it to identify and extract relevant invoice information automatically.
- Kodland
 - Taught programming classes for children and beginners focused on Python and Lua, using Kodland's platform and Roblox Studio as fun and interactive environments.
 - Taught the basics of control structures, variables, functions, loops, and events, encouraging computational thinking through practice.
 - Applied active learning methodologies (such as metacognition stations and hands-on challenges) to foster creativity and meaningful learning.
 - Monitored students' progress individually, adapting the approach according to their knowledge level and learning pace.
 - Encouraged teamwork and the development of personal projects, strengthening both technical and socio-emotional skills.

Education

- Software Engineering
 - Jala University – currently enrolled

Languages

- Portuguese: Native
 - English: Intermediate (Technical reading and writing)
 - Spanish: Basic
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