

Lucas Gabriel Costa

Backend Developer — Software Engineering Student

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Professional Summary

Software Engineering student with a solid background in backend development using **Java (Spring Boot)**, **PHP (Laravel)** and **Python**, working across the full software lifecycle—from requirements gathering to implementation, testing, and system evolution. Focused on software architecture, backend logic, and solving complex problems, with hands-on experience in automation, Linux, artificial intelligence, and computer vision. Analytical, challenge-oriented, and with a systemic engineering mindset.

Education

Software Engineering — Federal University of Technology – Paraná (UTFPR)

Expected Graduation: June 2027

Professional Experience

Grupo Verona

Junior Full Stack Developer

February 2025 – Present

On-site — Paraná, Brazil

- Develop, maintain, and enhance corporate systems with a backend focus using **Java (Spring Boot)** and **PHP (Laravel)**.
- Design and maintain **REST APIs** for internal system integration, with persistence in PostgreSQL and MySQL.
- Participate in the full software development lifecycle, including requirements gathering, implementation, testing, bug fixing, and continuous improvements.
- Write unit tests with JUnit and Mockito to ensure system stability and reliability.
- Automate operational and infrastructure tasks using **Python** and Shell Script.
- Support Linux environments, manage version control with Git, and document developed functionalities.
- Work in agile practices (Scrum, Kanban, and XP) with autonomy to develop end-to-end features.

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Backend Java Intern

November 2024 – April 2025

- Developed backend services and microservices in Java using Spring Boot, JPA, and Hibernate.
- Implemented authentication and authorization using Spring Security and JWT.
- Documented REST APIs with Swagger, ensuring clarity and standardization.
- Wrote unit tests with JUnit and Mockito, and used Git in daily development workflow.
- Engaged with continuous integration processes and software engineering best practices.

Box Atacadista

Inventory Controller / Store Operator

February 2021 – February 2025

- Managed physical and system inventory, verified invoices, and supported internal processes.
- Developed analytical skills, organization, and operational responsibility in a high-demand environment.

Technical Skills

Languages and Frameworks

- Java Spring Boot
- PHP Laravel
- Python (automation, computer vision, AI)
- C (fundamentals, pointers, structures, and file handling)

Software Architecture

- MVC, MVVM, MVP
- Clean Architecture
- Hexagonal and Onion Architecture
- Microservices
- DDD (Domain-Driven Design)

Design Patterns

- Creational, Structural, and Behavioral Patterns

Methodologies and Processes

- Agile methodologies: **Scrum**, **Kanban**, and **XP** practices (iterative development, continuous feedback, incremental delivery)
- Requirements analysis and refinement (functional and non-functional)
- Software quality knowledge, including functional, non-functional, and regression testing
- Participation in software development and production processes across the software lifecycle

Testing and Quality

- Software testing
- Functional, non-functional, and regression tests
- Test coverage

Infrastructure and Tools

- Docker
- Linux
- Git GitHub
- Swagger
- Redis
- AWS EC2

Networking, Systems, and Automation

- Computer networking fundamentals, including topologies, OSI TCP/IP models, and main communication protocols
- Linux system administration and basic network service configuration (DNS, firewall, proxies, remote access)
- Infrastructure and network knowledge: segmentation, tunnels, monitoring, and production environment support
- Automation of operational and infrastructure tasks using **Shell Script** and **Python**

Artificial Intelligence and Computer Vision

- Developed computer vision projects using **YOLOv8** for object detection in images and videos
- Applied **Python** in AI, automation, and data processing projects
- Studied AI and Data Science through practical courses (CS50 – Harvard/edX, IBM AI Developer)
- Experimented with running local language models (LLMs) and integrating them with offline and embedded systems

Languages

- English: Upper-intermediate/Advanced (fluent reading writing, conversational skills improving)
- Spanish: Basic