

Juan Diego Merchán Jaramillo

Backend Java Developer

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Professional Profile

Junior Backend Java Developer, trained in the Oracle Next Education (ONE) program and the Amazon Junior Software Developer certificate from Coursera. Focused on developing REST APIs and web applications with Java and Spring Boot, applying SOLID principles, programming best practices, and data structures to write maintainable code.

My previous experience as a teacher provides me with key skills for software development: clear communication, empathy, collaborative work, time management, and continuous learning. I am seeking my first professional opportunity as a Backend Java Developer to contribute to agile teams and continue growing through challenging projects.

Projects

Course Management – Music School | Spring Boot, Spring Security, JWT

- Implemented a backend with Spring Boot Security and JWT to manage courses, users, and roles (administrator, teacher, student).
- Applied role-based access control and endpoint protection, reinforcing concepts of authentication and authorization in web applications.
- Separated logic into layers (controller, service, repository) to improve code organization and maintainability.
- Applied input data validation and appropriate HTTP response handling to improve API robustness.

Challenge LiterAlura | Spring Boot, Spring Data JPA

- Developed a REST API to register and query information about books and authors using Spring Boot and Spring Data JPA.
- Implemented CRUD operations and queries on a relational database, practicing object-relational mapping.
- Applied best practices in endpoint design and exception handling for more consistent responses.

Education

Backend Java Developer - Oracle Next Education (ONE) | 06/2024 – 01/2025

Amazon Junior Software Developer - Coursera - 2025

Technical Skills

Backend: Java, Spring Boot, Spring Security, Python

Frontend: HTML, CSS, JavaScript, Thymeleaf

Databases: MySQL, PostgreSQL

DevOps & Deployment: Docker, Github Actions

Agile Methodologies: Scrum, Kanban, Sprint Planning, Trello

Tools: Git, GitHub, Postman, Insomnia, Swagger

Soft Skills

Leadership, Teamwork, Collaboration, Problem Solving, Communication, Adaptability

Languages

- **Spanish:** Native
- **English:** Intermediate (B1)