

Yamid Felipe Ortega Posada

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I am a backend developer from Colombia, specializing in Java and Spring Boot, with experience in Hibernate, JPA, MySQL, PostgreSQL, Redis, RocksDB, Docker, and Git. I am interested in concurrency, performance optimization, process automation, and low-latency systems. Although I graduated with a degree in Environmental Engineering, I found my true calling in software development, constantly dedicating myself to learning and building projects to strengthen my technical skills.

Technical Skills

- **Lenguajes & Core:** Java 17/21, SQL, Estructuras de Datos, Algoritmos.
- **Frameworks:** Spring Boot 3, Spring Cloud (Gateway, Eureka), Spring Security, Hibernate/JPA.
- **Infraestructura & Herramientas:** Docker, Docker Compose, Git/GitHub, Maven, Linux CLI, Kafka (Básico).
- **Bases de Datos:** PostgreSQL, MySQL, Redis, RocksDB.
- **Idiomas:** Español (Nativo)

Software Projects

TitaniumBOE-Sim | Financial Market Simulator (Java 21, RocksDB, NIO, Concurrency)

- Developed a high-frequency trading simulator based on the Cboe BOE binary protocol, implementing a real-time matching engine.
- Designed order persistence using RocksDB for low latency and managed network communication using
- Implemented automated trading bots for stress testing and strategy validation.

Repository: github.com/YmidOrtega/TitaniumBOE-Sim

Sistema de Gestión Clínica | Microservices Architecture (Spring Boot, Docker, Cloud, Redis)

- Modular distributed architecture for hospital management, orchestrated with Docker Compose and communicated via API Gateway and Eureka Service Discovery.
- Implemented centralized security with Spring Security and JWT, and optimized performance using distributed caching with Redis.
- Managed polyglot persistence integrating relational databases (PostgreSQL/MySQL) according to microservice needs.

Repository: github.com/YmidOrtega/Clinica

Professional Experience

CLÍNICA DEL COUNTRY

Bogotá, Colombia **Billing & Automation Analyst** | Mayo 2022 – Present

- Led the digital transformation of the area using Microsoft Power Automate, automating invoice submission. Tripled weekly processing capacity from 250 to over 800 invoices, reducing operational times by 60% and eliminating manual errors.
- Collaborated with multidisciplinary teams to identify bottlenecks and design efficient technological solutions.

Education

Specialization in Java Backend Development | 2024 - 2025

Oracle Next Education (ONE) & Alura Latam

Environmental Engineering | 2020

Universidad EAN