

Duban Zuluaga Jaramillo

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Professional Summary

Software Engineer specializing in backend and fullstack development with Java, Spring Boot, TypeScript, and React. Expert in building high-performance, resilient systems with automated CI/CD pipelines. Delivers fluid, user-centric interfaces that drive measurable product outcomes.

Technical Skills

Backend: Java, Spring Boot, REST APIs, PostgreSQL, JPA/Hibernate

Frontend: TypeScript, React, Next.js, Tailwind CSS

DevOps & Cloud: Docker, Podman, Kubernetes, GitHub Actions, CI/CD, Linux (Bash)

Tools & Others: Git, Agile (Scrum/Kanban), English (Technical/A2)

Technical Experience & Projects

Personal Movie Tracker

GitHub

Fullstack Developer

[April - June 2025]

- Built a complete end-to-end application using **React 19** and **Spring Boot**, integrating a stateless **JWT authentication** flow to secure user data and manage role-based access control.
- Developed a responsive SPA with **TypeScript** and **Radix UI**, focusing on a clean user experience and efficient state management for movie tracking.
- Optimized the persistence layer using **Spring Data JPA** and **PostgreSQL**, ensuring fast retrieval of personalized user watch-lists.

FleetGuard 360

GitHub

Backend Engineer (Team Project)

[June - December 2025]

- Co-developed a microservices-based fleet management system, implementing an **API Gateway** to centralize request routing, JWT validation, and CORS management for multiple downstream services.
- Architected an asynchronous notification system using **RabbitMQ** to decouple the alerts service from the notification engine, ensuring system resilience and preventing bottlenecks during high-load events.
- Implemented real-time push notifications using **WebSockets**, enabling immediate delivery of critical system alerts to the frontend panel.
- Collaborated in an agile team environment, managing service boundaries and inter-service communication to maintain a scalable and maintainable codebase.

Supermarket Sales Management

GitHub

Backend & DevOps Engineer

[December 2025 - January 2026]

- Developed a RESTful API using **Java Spring Boot** and **PostgreSQL** to digitize sales control for supermarket chains, focusing on relational data integrity and efficient query performance.
- Implemented a professional **GitOps** workflow using **ArgoCD** and **Kubernetes (K3s)**, automating the synchronization of manifests from GitHub to the cluster for declarative deployments.
- Configured **StatefulSets** and persistent volume claims in K8s to ensure database durability and availability across pod restarts.

Education

Universidad de Antioquia

B.S. in Systems Engineering

Medellín, Colombia

2023 – Present