

DAVID MANJARRES

Full Stack Developer Java | Spring Boot | React | TypeScript

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PROFESSIONAL SUMMARY

Full Stack Developer with 3+ years of experience (freelance and academic) building end-to-end web applications using Java/Spring Boot and React/TypeScript. Strong background in RESTful API design, database optimization, and responsive UI development. Experienced in delivering production-ready systems with automated testing, CI/CD pipelines, and cloud deployments. Focused on clean architecture, performance, and maintainability.

TECHNICAL SKILLS

Backend: Java (8/11/17), Spring Boot, Spring Security, Spring Data JPA, Hibernate, Node.js (NestJS, Express.js), Laravel

Frontend: React, TypeScript, JavaScript (ES6+), TailwindCSS, shadcn/ui, HTML5/CSS3, Responsive Design

Databases: PostgreSQL, MySQL, MongoDB, Redis, Query Optimization, N+1 Prevention, Normalization (3NF)

Testing & DevOps: JUnit 5, Mockito, Playwright, Vitest, Jest, Jenkins, Docker, Azure Container Apps, Kubernetes

Security & Architecture: JWT, OAuth2, RBAC, Microservices, Clean Architecture, SOLID, OWASP Top 10

Tools: Git, Postman, SonarQube, Spring Actuator, Eureka Server, Agile/Scrum

PROFESSIONAL EXPERIENCE

Freelance Full Stack Developer

Jan 2023 - Present

Designed and delivered full-stack web applications for small businesses and academic clients

- Developed multiple full-stack applications using Spring Boot backends and React/TypeScript frontends
- Designed CI/CD pipelines with Jenkins and Docker, improving deployment reliability and delivery speed
- Optimized PostgreSQL queries and introduced Redis caching, significantly reducing API response times
- Deployed containerized applications to Azure Container Apps, ensuring stable and scalable production environments

KEY PROJECTS

E-Commerce Marketplace Platform *Full Stack Developer*

(Aug 2025–Dec 2025)

Spring Boot, PostgreSQL, Redis, React, TypeScript, TailwindCSS, Jenkins, Azure Container Apps, Azure Blob Storage

- Built a complete marketplace with Spring Boot backend and React/TypeScript frontend
- Developed RESTful APIs with JWT/RBAC security, pagination, and content moderation features
- Optimized backend performance using 3NF normalization and N+1 query prevention, reducing query count by ~70%
- Improved average API response times from ~300ms to ~45ms through caching and query optimization
- Deployed the platform on Azure Container Apps and managed media assets via Azure Blob Storage

Medical Clinic Management System *Full Stack Developer*

(Aug 2024–Jan 2025)

Spring Boot, PostgreSQL, Redis, React Native, Resilience4j

- Developed a secure full-stack system with Clean Architecture backend and React-based admin dashboard
- Implemented backend services for appointments, medical records, and audit trails with rate limiting and cache invalidation
- Optimized database access through normalization and indexing, improving medical record retrieval performance
- Built a React Native mobile application (iOS/Android) for patients with authentication and notifications

Fuel Management System *Microservices Full Stack Developer*

(2025, 5 months)

NestJS, Kubernetes, Docker, PostgreSQL, TypeORM, Eureka Server, React, TailwindCSS

- Contributed to a scalable NestJS microservices architecture using Eureka Server for service discovery
- Deployed and orchestrated services on Kubernetes to ensure high availability and scalability
- Developed REST APIs for fuel tracking, consumption analysis, and reporting
- Built a React dashboard to visualize fuel efficiency metrics and forecasted vs. actual costs using SCRUM methodology

EDUCATION & CERTIFICATIONS

B.S. in Software Engineering

Universidad Técnica de Ambato, Ecuador

Expected Jul 2026

Certifications: Database Optimization & Performance, Docker & CI/CD Implementation, Modern Web Development