Emanuel Rojas Ramirez

🔗 Portfolio | GitHub | LinkedIn

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📍 Medellín, Colombia | Available for Remote and Local Opportunities

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PROFESSIONAL SUMMARY

Frontend-Focused Full-Stack Developer | React · Java Spring Boot · REST APIs

Motivated and **self-taught** Frontend-Focused **Full-Stack** Developer with hands-on experience building complete web applications using **React** on the frontend and **Java Spring Boot** on the backend. While seeking my first professional role, I've built and deployed **real-world, functional projects** that showcase my ability to **design clean UIs**, implement **secure workflows**, and connect them with robust **RESTful APIs**. My **strongest** skill is building **responsive** and **functional user interfaces** with **React (protected routes**, **auth**, **validation**, **real-time updates)**, but I also have **solid backend knowledge**, including **layered architecture**, relational databases (**MySQL**, **PostgreSQL**), and API testing/documentation using **Postman** and **Swagger**. **Proactive**, **organized**, and **passionate** about continuous learning. Open to onsite roles in **Medellín** or **remote opportunities**, looking to join a **collaborative** team, **contribute** to **production-level projects**, and **grow** as a **full-stack** developer.

KEY SKILLS

✅ **Backend:** Java, Spring Boot, RESTful APIs, Layered Architecture, Clean Architecture (introductory).

✅ **Frontend:** React, React Router, Protected Routes, User Input Validation, i18next, Responsive Design, Bootstrap (basic).

✅ **Web Technologies:** JavaScript (ES6+), Basic understanding of TypeScript, JSON handling in frontend

✅ **API Documentation & Testing:** Swagger (basic usage), Postman

✅ **Databases:** H2 (in-memory), MySQL

✅ **Dev tools:** Git, GitHub, GitHub Projects, Visual Studio Code, IntelliJ IDEA, Maven, Spring Initializr.

✅ **Deployment:** Vercel (Frontend), Render (Mock APIs), Localhost environments

✅ **Agile Practices:** Scrum (Basic), Git-based project tracking

✅ **Learning & Problem Solving:** Debugging via console errors, Trial-and-error testing, Self-taught through project-based learning

PROJECTS

💼 Personal Portfolio Website

React · i18next · Responsive Design · Vercel

- Multi-language (EN/ES) portfolio with dark / light mode.
- Diploma gallery with carousel arrows on desktop and swipe gestures on mobile.
- Fully responsive and showcases projects, skills, and contact information.

🍽️ Restaurant Web App

React (Frontend – Vercel), Spring Boot (Backend – GitHub), MySQL

- Frontend handles login / register (credentials validated, new users saved to a Render mock API).
- Shopping-cart state persisted with localStorage; secure checkout flow.
- Designed full REST backend (6 entities) with complete CRUD endpoints — e.g. /cliente, /carrito, /plato

📅 Subscriptions Management System

React Hooks, SweetAlert, Render (mock DB)

- Single-page app to create, edit, delete and list subscription plans (name, cost, category, renewal date).
- Live search filters the list in real time as the user types.
- Form validation with custom alerts, clean UI built for quick tracking.

🏫 REST API for School

Spring Boot, MySQL, Swagger, Postman

- Layered-architecture API with entities for Users, Teachers, Students, Courses, Subjects, Qualifications, Attendance, Registrations.
- Full CRUD routes such as /student/save, /teacher/update/{id} — over 30 endpoints in total.
- Backend tested with Postman, controllers documented with Swagger and versioned with Git.

🤖 Vending-Machine Backend Simulator

Java Spring Boot, Swagger

- Simulates end-to-end sale flow:
   POST /venta → registers sale (PENDING) & returns QR-code placeholder.
   GET /venta/{id}/estado → auto-expires after 3 min if unpaid.
   PUT /venta/{id}/verificar-pago → sets status to PAID (simulated).
   GET /venta/{id}/liberar → logs product-release action.
- Stubs ready for real Izipay payment & Arduino dispenser integration.
- Built with layered architecture; endpoints tested via Postman and documented with Swagger.

🛒 Platzi Market API Simulation

Java, Spring Boot, PostgreSQL, Postman, Clean Architecture

- Backend simulation of a digital supermarket system, designed following hexagonal architecture principles.
- Full CRUD operations for Products, with filtering endpoints like:
   GET /products/scarse-products/{quantity} → returns products with low stock
   GET /products/category/{categoryId} → get products by category
- Built with DTO separation, entity mapping, and relational database design.

LANGUAGES

Spanish: Native

English: C1

EDUCATION & CERTIFICATIONS

🎓 Software Development Assistant Technician – CESDE (2025)
📜 Professional Java Spring Course – Platzi (2025)
📜 Object-Oriented Java SE – Platzi (2024)
📜 Introduction to Java SE – Platzi (2024)
📜 React JS Course – Platzi (2025)
📜 JavaScript: DOM Manipulation – Platzi (2024)
📜 JavaScript Fundamentals – Platzi (2024)
📜 Git and GitHub – Platzi (2025)
📜 HTML & CSS Master Course – Platzi (2024)
📜 Responsive Design: Mobile-First Approach – Platzi (2024)
📜 Software Engineering Fundamentals – Platzi (2024)