

ILSEN ROMERO CARABALLO

Fullstack JavaScript Developer | Node.js · React · Express · MongoDB

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PROFESSIONAL PROFILE

Fullstack JavaScript Developer with hands-on experience in Node.js and React, building REST APIs under MVC architecture, and implementing JWT-based authentication. I have led the development of complete systems for real institutional production environments, from database design to frontend-backend integration. I have a foundational background in Python (certified courses) and am motivated to contribute to technology migration projects. I am looking to deliver scalable, quality solutions within an agile, remote-friendly team.

PROFESSIONAL EXPERIENCE

IT Systems Technician

Gobierno Autónomo Municipal de Villa Serrano | **2025**

- Built a full-stack web system (Node.js + Express + React + MongoDB) to automate warehouse stock control, replacing manual administrative processes.
- Implemented full CRUD functionality for inventory and stock management with real-time updates.
- Designed the database schema and built the REST API under MVC architecture with backend validation and centralized error handling.
- Integrated the React frontend with the backend via HTTP requests and JSON data handling.
- Managed and supported the institution's IT infrastructure.

IT Assistant

Unidad Educativa Don Bosco | **2024**

- Managed day-to-day operations of the institutional IT system.
- Installed, configured, and maintained the data network.
- Monitored and provided technical support for technology systems.

Technical Instructor — Computer Science

2020 – 2023

- Taught fundamentals of programming, computational thinking, and computer systems.
- Developed technical learning materials and provided hands-on guidance to students.

FEATURED PROJECTS

LabTrack — Computer Lab Management System — [GitHub](#)

Web system for managing university computer labs. Registers computers with their specs and components, auto-generates a QR code per machine for quick field access, and tracks preventive, corrective, and logical maintenance history. Stack: React · Node.js · Express · MongoDB · JWT

- JWT authentication with role-based route protection (Admin / Technician roles).
- Ownership middleware: technicians can only edit and delete their own maintenance records.
- Automatic QR code generation per computer, linking directly to its profile and maintenance history.
- Deployed to production: Vercel (frontend) · Render (backend). Live demo: labtrack-frontend-lime.vercel.app

Sales Management System — [GitHub](#)

Web application for product management and sales recording. Stack: React · Node.js · Express · MongoDB

- Dynamic React interface for product management and sales workflow.
- Business logic for transaction recording and persistence with real-time inventory updates.
- Frontend-backend integration via HTTP requests and JSON data handling.

TECH STACK

Backend: Node.js · Express · MVC Architecture · REST APIs · JWT · Passport.js Authentication

Frontend: React · JavaScript ES6+ · HTML5 · CSS3 · TailwindCSS

Databases: MongoDB (primary) · SQL fundamentals

Tools: Git · GitHub · Linux · Deploy (Vercel / Render) · Docker (in progress)

Python: Foundational knowledge (certified courses): Python basics, computational thinking, data analysis

EDUCATION

Systems Engineering Degree

Universidad Mayor Real y Pontificia San Francisco Xavier de Chuquisaca | **2025**

Higher Technician in Computer Science

Universidad Mayor Real y Pontificia San Francisco Xavier de Chuquisaca | **2024**

Diploma in Cybersecurity

2025

RELEVANT CERTIFICATIONS

- Backend with Node.js: REST API with Express.js — Platzi (Apr. 2023)
- Backend with Node.js: Authentication with Passport.js and JWT — Platzi (Feb. 2023)
- Introduction to Computational Thinking with Python — Platzi (Mar. 2022)
- Python Basics — Platzi (Feb. 2022)
- Frontend Developer — Platzi (Dec. 2021)
- TailwindCSS — Platzi (Mar. 2023)
- Responsive Design: Mobile First Layout — Platzi (Mar. 2022)
- Business Analysis for Data Science — Platzi (Feb. 2022)

LANGUAGES

Spanish: Native

English: A2 level — actively progressing toward B1; able to read and understand technical documentation