

Orlando Ascanio

Software Engineer | Remote |  operation927@gmail.com |  [LinkedIn](#) |  [GitHub](#)

WORK EXPERIENCE

Software Engineer (Internship/Project Lead) | [Demo](#) | [Github](#)

Escuela Técnica Industrial Mariano Fernández Fortique.

Cagua, Venezuela

Jan 2025 – April 2025

- Served as principal developer for the school's first official website, coordinating with the school's CS lead, administrators, and staff to define requirements and deliver a production-ready system for 400+ students and staff.
- Secured backend APIs with Node.js + MySQL, cutting unauthorized access attempts by an estimated 15–30% during testing.
- Delivered a mobile-friendly React front-end, leading to 50%+ of traffic coming from phones within the first month.

EDUCATION

Instituto Universitario de Tecnología “Antonio Ricaurte” (IUTAR).

Cagua, Venezuela

Bachelor in Computer Science.

May 2025

Technical Projects

Librora (SaaS Book Management App) | [Github](#)

Node.js, Express.js, MongoDB, Next.js, Docker, JWT, Cloudinary

- Built and deployed a full-stack app with authentication, advanced book search/filtering, image uploads, and role-based access, enabling test users to track and manage personal libraries.
- Secured the platform with Helmet, CORS, rate limiting, and input validation (Joi), backed by automated testing and CI/CD pipelines that cut deployment time by 75%.

Freelance Storefront (Full-Stack E-Commerce App) | [GitHub](#)

Next.js, MongoDB, Zustand, PayPal API, Framer Motion

- Developed an online storefront with account management, shopping cart, and PayPal checkout, reducing in-person sales dependency by ~25% and enabling 10 early transactions in 3 months.
- Delivered an MVP that automated customer orders and saved the business owner ~5 hours per week.

Room Planner MVP (IKEA Kreativ Clone) | [Github](#)

Next.js, Three.js, Zustand, TailwindCSS

- Built a lightweight 3D room planner MVP where users could arrange and preview furniture in a virtual space.
- Leveraged Three.js for interactive 3D rendering and Zustand for state management, demonstrating affordable alternatives to commercial design tools.

SKILLS

Languages & Frameworks: JavaScript, TypeScript, Python, React, Node.js, Next.js, Zustand, TailwindCSS.

Tools & DevOps: Git/GitHub, Docker, CI/CD, AWS, GCP, Vercel/Render.

Core Knowledge: APIs & REST Design, Relational & Non-Relational Databases (MySQL, MongoDB), OAuth2, Encryption, Unit Testing, Integration Testing, Jest.

Soft skills: Leadership, Communication, Collaboration, Agile, Scrum.

Currently Exploring: GraphQL, Kubernetes, Microservices Architecture, Nest.js, AI Agents.

EXTRA PROJECTS

MacOS Terminal UI Component, a micro front-end component that emulates a MacOS-style terminal with typewriter animation.

Personal Resume, interactive portfolio site featuring animated UI and an integrated AI chatbot for guided navigation.

Realtime Chess App, multiplayer chess game with real-time moves and state synchronization over WebSockets.