




# Orlando Ascanio

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

## WORK EXPERIENCE

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### Software Engineer | [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

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Instituto Universitario de Tecnología "Antonio Ricaurte" (IUTAR).

Bachelor in Computer Science.

Cagua, Venezuela  
May 2025

## Technical Projects

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### 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

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**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

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[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.

[AI-Orlando-Assistant](#), Resume Q&A chatbot built with Flask + Google Gemini API, delivering tailored answers from CV data.

[Elevare \(Productivity App\)](#), focused on daily focus, helping users commit to their most important task instead of generic to-dos.