

Ledvin Manuel Leiva Mata

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Education

Tecnológico de Costa Rica	Cartago, CR
Bachelor of Engineering in Computer Science	Dec 2026
Colegio Científico de Costa Rica	Peréz Zeledón, CR
<i>Second Place Feria Científica CR; Top 10 Admission TEC; Astronomía Olympiad Second Place.</i>	Dec 2022

Experience

Freelance	Remote
Software Developer	Jan 2021 – Present
<ul style="list-style-type: none">Developed 9+ full-stack web applications using React and FastAPI achieving 95 % client satisfactionBuilt custom AI-driven chatbots with the OpenAI API, reducing support workload by 60 %Automated SINPE Móvil payment validation by parsing forwarded email receipts, matching order IDs and phone numbers, and updating order statuses—cutting reconciliation time by 90 %Containerized services with Docker and configured production VPS environments (Ubuntu, Nginx, SSL), ensuring 99.9 % uptime	
Avant Glamping	San Ramón, Alajuela
Full Stack Developer & DevOps Engineer (part-time)	Feb 2024 – Present
<ul style="list-style-type: none">Architected and deployed a responsive project portal with React and Three.js for 3D model visualization, boosting client engagement by 40 %Developed a dynamic pod configurator with real-time price calculation and PDF export, reducing quote generation time by 80 %Implemented CI/CD pipelines using GitHub Actions and Docker, automating deployments to a self-managed VPS (Nginx, SSL) with zero-downtime releasesEngineered an internal CRM dashboard with FastAPI and PostgreSQL to track leads and manage orders, increasing operational efficiency by 60 %	

Leadership & Activities

Rocketry Team Lead at TEC Space (2024-25): led propulsion system design and simulations in MATLAB.

Skills & Interests

- Languages & Frameworks:** Python · C++ · JavaScript (ES6+) · React.js · FastAPI · Flask
- Databases & Storage:** PostgreSQL · MongoDB · Redis · MySQL
- DevOps & Cloud:** Docker · GitHub Actions (CI/CD) · Linux VPS (Ubuntu, Nginx, SSL) · AWS (EC2, S3) · Render/Vercel · Hostinger · Hostinger VPS
- Tools & Misc:** Git · GitHub · Postman · VS Code · Figma
- English:** C1
- Spanish:** Native