STEVEN MORALES FALLAS

Full Stack Software Engineer | Product-Driven Developer | Creative Technologist
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PROFESSIONAL SUMMARY

Full Stack Software Engineer with experience building robust, scalable, and high-performance web applications. I enjoy creating clean and efficient solutions that connect technology, creativity, and real user needs. I have worked across the full development cycle—from design and architecture to deployment and optimization—combining strong technical knowledge with leadership, teamwork, and problem-solving. I value collaboration, clarity, and learning, which align well with the culture at Critical Mass.

CORE TECHNICAL SKILLS

Front-End: React, Next.js, TypeScript, HTML5, CSS3, JavaScript
Back-End: Node.js, Python, Java, C#, PHP
Databases: PostgreSQL, Firebase, MongoDB (NoSQL), SQL
DevOps & Tools: Git, Docker, AWS, CI/CD Pipelines, Render, Vercel
Practices: RESTful APIs, Microservices, Performance Optimization, Agile/Scrum, UX/UI Collaboration
Soft Skills: Team Leadership, Communication, Creativity, Mentorship, Adaptability, Continuous Learning

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PROFESSIONAL EXPERIENCE

CEO & Lead Software Developer — Novaera
May 2024 – Present
Lead a six-member development team creating automation tools, ERP systems, and AI-powered platforms.
Design and implement full-stack architectures, APIs, and modular components for scalable solutions.
Collaborate with designers, testers, and clients to ensure usability, performance, and consistency across products.
Establish workflows for code reviews, CI/CD integration, and process improvement.

In addition to software development, Novaera integrates **technology solutions with design and marketing services**, helping clients build strong digital identities and unified brand experiences.

Freelance Software Developer — Self-Employed

Aug 2022 – Present
Develop custom ERP and automation systems for small and medium-sized companies.
Integrate modern front-end frameworks with efficient and secure backend architectures.
Work closely with clients to translate business needs into clean, functional, and maintainable code.

Software Developer (Intern) — INFOCOOP

Aug 2023 – Nov 2023
Enhanced the educational platform of the Instituto Nacional de Cooperativismo.
Developed automation tools that improved system performance and reduced manual work.
Participated in code reviews and documentation to maintain technical standards.

Software Developer — TI Recursos CR

Dec 2022 – Feb 2023
Implemented custom Odoo ERP modules tailored to client requirements.
Improved integrations, performance, and documentation for long-term maintainability.

PROJECT HIGHLIGHTS

Novaera ERP Platform (2024 – 2025)
Designed and co-developed a modular ERP platform for business management.
Integrated automation, analytics, and multi-department features with scalability in mind.
Led a six-member team, ensuring quality, maintainability, and clear documentation.

Precision Seas ERP System (2025)
Developed a complete ERP solution for a manufacturing company specializing in industrial parts.
Implemented modules for production, inventory, billing, analytics, and automation to improve traceability and efficiency across operations.

ZETA Academia EdTech Platform (2024 – 2025)
Founded and led ZETA Academia, an educational startup offering courses in Artificial Intelligence, Python, Java, Excel, and more.
Led a five-person team to design and develop the learning platform, which supports over 1,000 students and 30+ courses.
Focused on performance, accessibility, and scalability, integrating user analytics and responsive design.

Matemática Integral ERP & Automation System (2024)
Built an ERP system to manage academic, financial, and operational processes for an educational institution.
Integrated automation and reporting tools to simplify daily management.

Demeter IoT Agriculture System (2024)
Developed an IoT-based system for smart agriculture presented in a Nestlé innovation competition.
Enabled real-time monitoring and automated irrigation using microcontrollers and sensors.

INFOCOOP Education Platform Enhancement (2023)
Improved the performance and usability of an institutional e-learning platform.
Redesigned modules and applied optimization techniques to improve the user experience.

Assistive Robotics Project for Elderly Care (2022)
Built a robotic system to assist elderly and rehabilitation patients.
Focused on automation, safety, and human-robot interaction, presented at the World Robotics Olympiad.

EDUCATION

Technical Degree in Software Development — CTP de Orosi (2023)
Graduated with highest GPA and honors.

LANGUAGES

Spanish — Native
English — Professional Working Proficiency

WHY CRITICAL MASS

I'm passionate about combining technology and creativity to build meaningful user experiences. Critical Mass's culture of collaboration, innovation, and design-driven development resonates deeply with how I approach my work. I believe in building software that not only works well but also connects with people and helps teams grow together.