

David Quintanilla Ruiz

Software Engineer | Information System Engineer

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Professional Summary

Software Engineer & Tech Lead with experience developing web, mobile, and SaaS products, with a focus on Full Stack development, software architecture, performance, and scalability. Experienced in leading technical teams and defining solutions focused on quality, maintainability, and user experience.

Experience

Protiv — Remote, Managua, Nicaragua	Mar 2026 - Sept 2026
Software Engineer - Developed and maintained Protiv's SaaS platform, contributing to both web and mobile applications with a focus on improving product functionality and user experience. - Developed backend features using Ruby on Rails, including data processing and targeted data export functionality. - Optimized database queries and data access by identifying and resolving performance issues, including N+1 query patterns. - Developed and maintained user interfaces, performing refactors to improve visual consistency, maintainability, and user experience across different platform modules. - Implemented mobile features using Expo, including location-based tracking and background processing capabilities. - Performed large-scale refactors across the mobile application to remove inconsistent and low-quality AI-generated code, establishing a more maintainable and consistent codebase. - Defined and integrated rules and standards for the use of AI agents during development, promoting code quality, consistency, and adherence to development best practices. - Addressed and resolved QA tickets, collaborating on identifying issues and UX improvements before their integration into the product. - Actively participated in code reviews and technical discussions, providing recommendations on architecture, code structure, UI, and maintainability.	
TecnoTool — Remote, Managua, Nicaragua	Sept 2024 - Present
Tech Lead - Joined as a Full Stack Developer and was promoted to Tech Lead in 2025 after taking on increased responsibilities in technical leadership and software architecture. - Coordinated a technical team focused on Full Stack development and UI/UX design to deliver web solutions. - Designed the transition from a WordPress-centered stack toward a hybrid Headless CMS architecture, using Strapi with Next.js or Astro based on project complexity and performance requirements. - Developed high-performance and scalable web platforms using Next.js for business-critical applications, with a focus on accessibility, maintainability, and long-term scalability. - Created and maintained an internally developed WordPress theme based on Gutenberg, focused on accessibility, performance optimization, SEO, stability, and code maintainability. - Continuously developed and maintained a custom Node.js API used across multiple internal and client-facing products, including: - Built an e-commerce platform from scratch for Mastertec Nicaragua, integrating inventory synchronization from third-party sources to centralize and unify product information. - Established technical standards, QA processes, and code review practices across frontend, backend, and CMS development. - Collaborated directly with clients and stakeholders, implementing structured and iterative UI/UX workflows using Figma and continuous feedback cycles.	
OOQIA — Remote, Managua - Nicaragua	Sept 2023 - Sept 2024
Software Consultant - Developed WordPress themes and templates from scratch, created custom plugins, and standardized technical processes to establish reusable practices for future projects. - Provided ongoing support for existing projects, implementing new features, optimizing page performance, conducting code reviews, and resolving UI/UX issues to ensure quality and efficiency. - Rebuilt the company's main website using Nuxt.js, leveraging WordPress as a Headless CMS. - Redesigned the company's website with a focus on testing and implementing new features, improving SEO, and integrating tracking filters for Google Analytics.	
Universidad Centroamericana, Managua - Nicaragua	Sept 2022 - Ago 2023
Project Manager - Developed “Expediente Docente”, a comprehensive system designed to manage university faculty, including personal information and academic records. Delivered a clean, modern, and responsive user experience focused on usability and efficient information management.	
Universidad Centroamericana, Managua - Nicaragua	Feb 2022 - Jun 2022
Volunteer Student Monitor Program - Conducted reinforcement sessions for first-semester Information Systems Engineering students, covering topics defined by the university for Programming Methodology, while creating visual learning materials to support and strengthen students’ understanding.	

Education

Universidad American College, Managua - Nicaragua	2024 - Present
System Engineering	
Universidad Centroamericana, Managua - Nicaragua	2021 - 2023
Information System Engineering	

Skills

Languages: - Español - Native - Inglés — B1/B2 (Intermediate–Upper Intermediate)	CMS WordPress (Custom Themes, Plugins, Gutenberg, Headless), Strapi
Full Stack Frontend: HTML, CSS, SCSS, Tailwind CSS, JavaScript, TypeScript, React, Next.js, Vue.js, Nuxt.js, Astro Backend: Node.js, PHP, C# (.NET Framework), Ruby, Ruby on Rails Mobile: React Native, Expo	Infrastructure & DevOps Linux Server Administration (Debian-based environments), DNS & Domain Management, Containerized Deployments with Docker and Dokploy (VPS), Backup, Volume & Basic Security Management