

Jesús Rivas

Systems Engineer | Full-Stack & Mobile Developer

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Summary

Results-driven Systems Engineer with 2+ years of experience building scalable web and mobile applications. Specialized in Full-Stack JavaScript/TypeScript ecosystems (Next.js, React, Node.js), cross-platform mobile development (Expo, Ionic), and cloud-backed architectures (Supabase, SQL). Proven track record of delivering end-to-end management systems with dynamic document generation and administrative automation.

Experience

Colegio de Ingenieros del Estado Nueva Esparta (CIENE) , Lead Full-Stack Systems Engineer	Nueva Esparta, Venezuela
Agremiados Management System (CIV System)	2025 – 2026
- Engineered a centralized full-stack web application with Next.js 16 and TypeScript to digitize member administration, official procedures, and fee payments. - Architected an administrative control panel and public self-service portal featuring automated, dynamic PDF generation for official union documents. - Designed modern, responsive interfaces using Tailwind CSS and shadcn/ui components, following modern design systems and usability practices. - Implemented relational backend data structures and authentication on Supabase, while packaging a desktop distribution using Electron for local office deployment. - Reduced document issuance and procedure verification times by over 70% across union operations.	1 year

Projects

Cross-Platform Mobile Applications	2025 – present
Mobile solutions built with Expo and Ionic frameworks. - Developed responsive cross-platform mobile apps for iOS and Android with modular TypeScript architectures. - Integrated RESTful backend services, local storage, and real-time state management to ensure smooth user performance.	
Dynamic Document & PDF Generation Engine	2025
Automated server-side certificate rendering system. Designed template-driven PDF rendering modules integrated with database records to issue tamper-proof official receipts and credentials.	

Education

Universidad de Margarita (UNIMAR) , Systems Engineering	Nueva Esparta, Venezuela
Key Coursework: Software Engineering, Database Systems, Computer Networks, Systems Architecture, Data Structures & Algorithms.	2022 – 2026

Skills

Programming Languages: TypeScript, JavaScript, Python, SQL, Java

Web Frameworks: Next.js 16, React, Node.js, Tailwind CSS

Mobile & Desktop: Expo, Ionic, React Native, Electron

Backend & Databases: Supabase, PostgreSQL, REST APIs, Relational Database Design

Tools & Methodology: Git, GitHub, Vercel, Full-Stack Architecture