

Sergio Fabian Acuña Madrid

Altamira | Tamaulipas | sergioac.madrid@hotmail.com | +52 8333903699 | Portfolio: fabianmadrid.dev

I am a Full-Stack Developer with hands-on experience in web development, specializing in React, TypeScript, and Node.js. My focus is building scalable applications with clean, maintainable code, grounded in a strong foundation of algorithms and relational database design.

Actively seeking a 4 – 6-month full-time internship starting February 2026, Open to relocation.

Technical Skills.

- **Languages:** JavaScript, TypeScript, SQL.
- **Libraries & Frameworks:** React, Next.js, Tailwind CSS, Express.js, Socket.io.
- **Databases:** MySQL, PostgreSQL.

Tools: Node.js, Vite, Postman, Git, GitHub, Figma.

Professional Experience

AI Legislative Assistant (*Freelance Developer*)

Nov 2025

Present Engineered a production-ready AI conversational agent specialized in a legislative representative's public profile. Architected a type-safe frontend using React and TypeScript, ensuring a robust and maintainable codebase. Integrated the Google Gemini API within a Node.js/Express backend to process natural language queries in real-time. Implemented advanced prompt engineering techniques ("System Prompts") to strictly control the AI's persona, ensuring accurate, institutional responses and mitigating hallucinations regarding legislative data.

Stack: React, TypeScript, SASS, NodeJS, Express.js, Google Gemini API.

Selected Projects

Silent Beauty (*Developer*)

Jan 2026

Engineered a pixel-perfect, progressive web app designed for photography. Achieved a perfect 100/100 Google Lighthouse score across Performance, SEO, and Accessibility. Solved complex cross-browser compatibility issues (iOS/In-App Browsers) using modern CSS viewports (svh) and adaptive Flexbox layouts.

Stack: NextJS, TypeScript, TailwindCSS

Real-time Chat App (*Developer*)

Jan 2025 – Mar 2025

Engineered a full-stack, real-time chat application from scratch. Architected the backend using Node.js and Express, leveraging WebSockets (Socket.io) to create a bi-directional, low-latency communication channel for instant messaging. Designed and modeled the PostgreSQL database schema to efficiently store user and message data. Built a responsive frontend (HTML/SASS) that ensures a consistent user experience across desktop and mobile devices. Validated all API endpoints using Postman.

Stack: Html, SASS, NodeJS, Express.js, Socket.io, PostgreSQL, Postman, Vite.

Education

Instituto Tecnológico de Ciudad Madero

Bachelors in Software Engineering

Cd. Madero, Tamps

Expected August 2026

Centro de Bachillerato Tecnológico Industrial y de Servicios No. 105

Programmer Technician

Altamira, Tamps

2018 - 2021

Languages.

- Spanish (Native).
- English (Advanced).