

Alan Isai Sandoval Tafolla

Guadalajara, Jalisco • alansan.dev • +52 33 4103 7794 • alansandovalt1@gmail.com

Frontend / FullStack Developer specialized in application development and modern web technologies such as TypeScript, Astro, React, and Node.js. I work with an AI-assisted development approach, leveraging agents, automation tools, and prompt-based workflows to design architectures and maintain high-quality standards. I am passionate about frontend development, user experience, and creating accessible interfaces, continuously iterating on design, performance, and usability to build scalable products centered around real user needs.

EXPERIENCIA PROFESIONAL

Machtobs

Guadalajara, Jalisco

Frontend Developer

dic 2025 - Present

- Built a direct integration with OBS through WebSockets to read and modify configuration settings from the browser.
- Implemented AI-powered recommendations with a local fallback engine to keep the application functional when external AI services are unavailable.
- Designed serverless functions to securely manage credentials and integrations with external services.
- Implemented global state management with Zustand and automated testing with Vitest, along with type checking and linting.

PROYECTOS

Twick - AI Conversational Simulation SaaS Platform

Personal Project

Frontend / FullStack Developer

Actual

- Implemented real-time streaming using Server-Sent Events (SSE) to provide low-latency interactions.
- Designed an automatic failover system between AI APIs such as Groq and Cerebras to improve availability and resilience.
- Designed and managed relational database architecture using PostgreSQL.

Tecnologías: Astro, React, TypeScript, JavaScript, Node.js, PostgreSQL, Tailwind CSS, Python, REST APIs, OAuth, SSE, Clerk, Git, GitHub

EDUCACIÓN

Self-Taught Education

Remote

Software Development and Web Design

nov 2023 - Present

EBC: Banking and Commercial School

Guadalajara, Jalisco

Business Administration (Finance and Marketing)

jul 2018 - oct 2020

SKILLS ADICIONALES

- React, Astro, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, GSAP, Responsive Design, UI/UX, Performance Optimization
- Node.js, Python, PostgreSQL, REST APIs, Authentication, OAuth, Server-Sent Events (SSE)
- Git, GitHub, Figma, Clerk, Vercel
- Idiomas: Spanish (Native), English (Intermediate)