

Adrian Legaspi

Senior Web & AI App Developer

Location: Tijuana, Mexico

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Summary

Senior web developer with over 10 years of experience delivering responsive, high-performance applications using React, TypeScript, Node.js, and cloud platforms. In recent years, I've focused on integrating AI capabilities into web applications—applying Large Language Models (LLMs) through APIs (OpenAI, local models) and building retrieval-augmented generation (RAG) systems using LangChain and Supabase. I have hands-on experience fine-tuning small open-source LLMs (e.g., TinyLlama, Mistral) using LoRA and QLoRA techniques for internal tools and assistant prototypes. I approach every project with a strong focus on software architecture—designing scalable, modular systems that are built to evolve. Committed to writing maintainable code and building solutions that optimize workflows and user experience.

Experience

Frontend Developer – Jointech MX (Tijuana)

August 2022 – Present

- Led the development of a reusable React component system and internal productivity tools, integrating third-party APIs and improving operational workflows across teams

Web Developer – Arte Digital (Tijuana)

January 2020 – August 2022

- Delivered responsive websites using WordPress, PHP, and JavaScript
- Optimized UI performance and implemented SEO-friendly structures

Web Designer & Developer – LuballSoftware (Tijuana)

March 2015 – January 2020

- Designed and implemented custom websites and hybrid mobile apps
- Developed client-specific CMS tools and responsive layouts

Education

Universidad Tecnológica de Tijuana

Tijuana, Mexico – May 2015

Degree: Tecnologías de la Información y Comunicación

Skills

Architecture & Design

- Modular software architecture designed to grow and evolve over time
- Proactive system planning based on product scope and future needs
- Scalable backend and API structure with clean separation of concerns
- Reusable UI component systems with clear design standards

Frontend Development

- React, TypeScript, JavaScript (ES6+), SCSS, TailwindCSS
- Vite, Next.js
- WordPress API
- Responsive design and accessibility (A11y)

AI Integration & Backend

- OpenAI API, LangChain, RAG (basic)
- TinyLlama / Mistral – LoRA-based local deployment (for research & tooling)
- Supabase, Firebase
- Prisma, Node.js, MySQL
- Python experience

Cloud & DevOps

- Docker (dev and local AI environments)
- Firebase Hosting
- Google Cloud Platform (GCP), AWS basics
- Git, GitHub Actions, CI/CD pipelines

Languages

- **English:** Fluent
- **Spanish:** Native

References

Available upon request

Hobbies & Side Interests

- Game development using Unity and C# (2D tower defense mechanics)
- Writing and scripting for podcasts
- Experimenting with LLMs, local model deployment, and automation tools