

# Alejandro Medina

## Full-Stack Developer

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### Professional Summary

Full-Stack Developer specializing in React, Next.js, TypeScript, Node.js, and Express.js. Experienced building scalable, secure, and data-driven web applications with modern frontend architectures and robust backend APIs. Strong focus on clean code, database modeling, authentication, performance optimization, and end-to-end type safety. U.S. citizen based in Mexico, open to remote opportunities.

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### Skills & Interests

**Technical:** React, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Node.js, Express.js, Zustand, Context API, React Query, TailwindCSS, Vite, MongoDB, PostgreSQL, Mongoose, Sequelize, ORM, REST APIs, Git, GitHub, npm, LocalStorage, Zod, Cloudinary, JWT, bcrypt, Framer Motion, Responsive Web Design.

**Languages:** English (Bilingual), Spanish (Native).

**Interests:** Web performance optimization, AI integration in frontend apps, design systems, emerging JavaScript frameworks.

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### Technical Experience

#### Pokémon TCG E-commerce | Full-stack Project

Tech: [Next.js](#), TypeScript, TailwindCSS, [Node.js](#), [Express.js](#), PostgreSQL, Sequelize, JWT

[live Demo] <https://frontend-pokemon-tcg-ecommerce.vercel.app/>

Completed (Oct 2025)

- Designed normalized relational schemas and implemented Sequelize migrations to ensure data integrity and support evolving product and order models.
- Implemented secure authentication and role-based access control with JWT, plus strong input validation and centralized error handling.
- Built RESTful endpoints with pagination, filtering, and sorting to support large product catalogs and efficient client queries.
- Hardened API security and observability using CORS, rate limiting, structured logging, and consistent error responses.
- Delivered a responsive, accessible Next.js frontend (SSR/SSG optimizations and client caching) and enforced end-to-end type safety with shared TypeScript types/DTOs.

#### CookMate | Full-stack Project

Tech: React + Vite, TypeScript, Tailwind CSS, [Express.js](#), MongoDB, Mongoose, Cloudinary, tanstack/react-query

[live Demo] <https://cookmate-mevadev.netlify.app/>

Completed (Nov 2025)

- Built modular REST APIs for recipes, users, comments, likes, and favorites with robust Mongoose schema validation and clear API contracts.
  - Implemented secure user authentication (JWT + bcrypt) and protected routes to safeguard user data and actions.
  - Integrated Cloudinary for secure image uploads, client previews, and optimized delivery/storage workflows.
  - Employed [@tanstack/react-query](#) for declarative data fetching, caching, and mutation flows; implemented optimistic updates for likes/favorites/comments to improve UX.
  - Designed a mobile-first, accessible UI with reusable components, dark mode, and shared TypeScript interfaces to improve maintainability and onboarding.
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### Education

JavaScript Modern Guide: Build 20+ Projects — Udemy (2024)

React & TypeScript, Frontend Development — Udemy (2025)

Full-Stack Web Development — Udemy (2025)