

Flavio Espinoza

****Senior Frontend Developer****

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Summary

Experienced frontend developer with 11+ years building performant, accessible, and visually polished user interfaces.

Recent focus on AI-integrated applications, LLM tooling, and data visualization using modern React, TypeScript, and Next.js frameworks.

Skills

- ****Languages & Frameworks:**** TypeScript, React, Next.js, JavaScript (ES6+), Tailwind CSS, HTML, CSS
- ****Libraries & Tools:**** Zustand, Zod, Chart.js, D3.js, PapaParse, Lucide React, OpenAI API, next-themes
- ****DevOps & Platform:**** Vercel, Git, REST APIs, Node.js
- ****AI Integration:**** GPT-4o, LLM prompt engineering, dynamic data extraction, Resend (planned)

Recent Work Experience

Bless Network · Senior Frontend Engineer

****May 2024 - Present****

- Built a modular portfolio and projects showcase with AI-powered data pipelines
- Implemented dynamic theme switching using next-themes and Tailwind CSS
- Exposed GitHub commit history via dynamic `/api/commits` and CSV/JSON export

- Created responsive charts via D3.js from OpenAI-generated structured data
- Configured Open Graph meta tags, Twitter card preview, and custom favicon
- Developed `/contact` page and prepared API integrations for Formspree and Resend

Portfolio Projects

AI Chat Assistant

- React + TypeScript interface for prompt + response with GPT-4o
- Uses Zustand for message state and theme toggling via next-themes
- Error boundaries, loading states, and minimal UI

LLM Data Visualizer

- Parses human language prompts using OpenAI and renders interactive bar/line/pie charts via D3.js
- Supports dark mode, CSV export, iframe embedding, and data cleaning logic
- Responsive chart rendering and grouped analytics via Day.js

Awards & Recognition

- First Place - SECCA International Design Competition (MIT Press Publication)
- Environ Design 8 Speaker | Scope-Hamptons Artist | Published with MIT Press

Education

****Master of Architecture**** - University of Utah, 2000