

Joel Rivera
Senior Front-End Engineer, AI
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Professional Statement

I have a decade of experience leading and executing web development projects with a focus on crafting high-quality, accessible user experiences. I have expertise in TypeScript, React, and AI integration, with a passion for learning and design-driven development.

Technical Skills

- **Languages:** HTML, CSS, JavaScript, TypeScript, Node
- **Frameworks:** React, Next, Remix, SvelteKit, TailwindCSS, Express
- **Testing:** Jest, React Testing Library, Cypress
- **Databases:** Postgres (basics), Supabase, MongoDB
- **Cloud:** IBM Cloud, IBM Continuous Delivery, Vercel, Github Actions
- **AI:** IBM Watson, OpenAI (ChatGPT API)

Professional Development

Self-Taught Engineer: I learned and mastered web development and best practices independently through online courses, tutorials, side projects, and real-world professional experience. I regularly update my skills and knowledge on the latest in front-end technology, AI, and design.

Professional Experience

Endava, Development Lead, Jul 2021 - Feb 2024

- Fostered a culture of continuous learning, knowledge sharing, and mentorship for junior to mid-level front-end developers.
- Led comprehensive code review processes to uphold high-quality standards, best practices, and cohesive code styling across all client engagements.
- Defined and established testing best practices, documentation, and code examples for the Lineage Logistics web apps team. Increased code coverage from 0 to ~10% within 30 days.

IBM, Senior Front-End Engineer, May 2015 - Feb 2021

- Designed and developed flagship Watson AI product demos for several APIs (STT, NLU, Assistant), contributing to over \$6M in new client revenue.
- Built custom Watson AI-powered prototypes and proof-of-concepts (POCs) on the IBM Cloud, addressing unique business problems for partners across various industries.

Morgan Stanley, Front-End Developer, Jan 2014 - Dec 2014

- Built user-friendly front-end interfaces using HTML, CSS, and JavaScript to enhance user experience and meet the business requirements of Morgan Stanley's financial services applications.
- Developed internal microsites, published quarterly earnings reports, and maintained morganstanley.com in production.

Personal Side Projects

CoPalette

Generates AI-powered color palettes based on sentiment analysis.

- ChatGPT tools integration
- React Server Components
- React Server Actions
- Palette generation and customization
- Palette storage with Supabase

ChatGPTx

A ChatGPT clone built with Remix, Tailwind, Shadcn/UI, and the Vercel AI SDK. Built to challenge myself and to learn more of how ChatGPT works.

- ChatGPT API integration
- Streamed text responses
- Chat history storage with IndexedDB
- Animated prompt suggestions