

Full Stack AI Engineer with a front-end focus and a track record of building responsive, production-grade applications using modern technologies such as Next.js, TypeScript, and Tailwind CSS. Skilled in deploying scalable systems on cloud-native platforms including IBM Cloud and Vercel. Recent work involves integrating large language models (LLMs) and retrieval-augmented generation (RAG) pipelines into real-world applications using LangChain, Pinecone, and the Vercel AI SDK. Focused on delivering well-architected, AI-powered LLM applications that bridge user experience and intelligent automation.

AI Integration OpenAI, Anthropic, Vercel AI SDK, Langchain, LangGraph, IBM Watson, Pinecone

Frameworks Next.js (13+), TailwindCSS, Express

Languages TypeScript, JavaScript (ES6+), Node.js, JSON, HTML5, CSS

Testing Jest, React Testing Library, Cypress

Cloud Vercel, IBM Cloud, IBM Continuous Delivery, Github Actions

Backend Supabase (Postgres), MongoDB, Rest APIs, GraphQL

Currently exploring AI agents and workflows, multi-step pipeline architectures with LLMs, techniques to reduce latency in real-time RAG pipelines, and strategies for evaluating and improving RAG chatbot responses.

Endava — Development Lead
Jul 2021 - Feb 2024

- Established JavaScript development standards while actively contributing features and bug fixes across enterprise client projects in production
- Led technical code reviews and mentorship for front-end teams, reducing deployment issues by implementing automated quality gates
- Defined testing standards and documentation for Lineage Logistics, achieving 10% code coverage in 30 days from 0% baseline

IBM Watson — Senior Front-End Engineer
May 2015 - Feb 2021

- Engineered flagship Watson AI product demos integrating Speech-to-Text, Natural Language Understanding, and Assistant APIs, driving \$6MM+ in new client revenue
- Led complex migration of IBM Demos platform from IBM Garage to ibm.com/demos, architecting new platform infrastructure while preserving hundreds of critical demo assets
- Architected scalable AI proof-of-concepts on IBM Cloud, delivering real-time solutions for enterprise clients across multiple sectors
- Created a React starter-kit with a standardized design system and technical architecture, enabling rapid demo development for the DTE Solutions team
- Designed and built "Info Assist", a discovery system with configurable UI beacons and messaging to encourage interactive demo exploration and user understanding

Joel Rivera
Full Stack AI Engineer

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Resource/Ammirati — Front-End Developer

Dec 2014 - Feb 2015

- Contributed features and updates to production websites for major clients including Vibram® and Brooklyn Bowl, working within established development workflows to maintain code quality
- Created UX wireframes and design mockups for client projects, collaborating with art directors and designers to iterate on user workflows and interactive features

Morgan Stanley — Front-End Developer

Feb 2014 - Dec 2014

- Built performant front-end interfaces and maintained critical production infrastructure for morganstanley.com, including high-traffic financial services applications and quarterly earnings deployments
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