

JUSTIN RICH

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Fullstack engineer specialized in building production-grade AI systems. Expert in LLM integration, React/TypeScript, and GraphQL with a proven track record of AI innovation across startups and enterprises. Skilled at creating scalable AI workflows that deliver measurable business results.

TECHNICAL SKILLS

AI/LLM: OpenAI, Claude (Anthropic), Langchain, Vector Databases, Prompt Engineering

Frontend: TypeScript, React, NextJS, React Native, Tailwind CSS

Backend: NodeJS, GraphQL, TypeGraphQL, MongoDB, PostgreSQL, NestJS

Infrastructure: Docker, AWS, Vercel, Jest, Cypress, GitHub Actions

PROFESSIONAL EXPERIENCE

Senior Software Engineer, AI Integration Specialist

June 2024 - January 2025

Inkitt

San Francisco, CA

- Developed an AI reader feedback agent using Langchain and OpenAI, reducing response time by 60%
- Created an AI-powered story variation tool using Claude, increasing user-generated content by 50%
- Spearheaded development of a NextJS/NestJS platform, improving page load times by 40%

Technical Co-Founder

September 2023 - Present

Formulist

San Francisco, CA

- Architected backend services using NodeJS, GraphQL, and Langchain to create standardized LLM services
- Developed LLM prompt quality control systems ensuring consistent output between requests
- Piloted "Lame To Fame" tool, demonstrating AI voice cloning with OpenAI and PlayHT

Senior Software Engineer

June 2021 - February 2024

DoorDash

Los Angeles, CA

- Engineered a UI-as-a-service architecture for multiple web apps, reducing deployment time by 50%
- Designed data mapping tooling enabling 100k+ merchants to migrate menu data, increasing sales by 12%

Senior Software Engineer

February 2019 - November 2020

Mothership

Los Angeles, CA

- Led frontend engineering for freight-tracking platform serving 50k+ monthly shipments
- Rebuilt client platform using TypeScript/React, increasing feature deployment speed by 60%

PROJECTS

Lame to Fame - AI Travel Narration Platform

2023

Technical Founder & Lead Engineer

- Built production system with OpenAI GPT-4 for narrative generation and PlayHT for voice cloning
- *Tech: Langchain, OpenAI GPT-4, PlayHT, Node.js, TypeGraphQL, Next.js*

Faith Crisis Companion - Mental Health Support Platform

2023

Lead Engineer

- Created platform vectorizing content with Pinecone and generating responses with Claude
- *Tech: Deepgram, Pinecone, Anthropic's Claude, Vector Search*

Bravecore - Content Intelligence Platform

2023

Lead AI Engineer

- Engineered AI content pipeline to extract insights, improving content discovery by 200%
- *Tech: OpenAI, Vector Databases, Node.js, GraphQL*

EDUCATION

Master of Information Systems Management
Carnegie Mellon University

2013