

Justin Rich

justin@hackerpug.com | 801-636-6098 | [linkedin.com/in/jcrich](https://www.linkedin.com/in/jcrich) | github.com/justincrich

Summary

AI Applications Engineer with expertise in integrating Large Language Models (LLMs) into production systems. Specialized in developing AI-powered platforms using OpenAI, Claude, and custom LLM workflows. Track record of implementing solutions that drive significant business impact and user engagement.

Technical Skills

AI/ML: OpenAI GPT-4, Claude (Anthropic), Langchain, LLM Integration, Prompt Engineering, Vector Databases

Full Stack: TypeScript, React, NextJS, Node.js, GraphQL, TypeGraphQL, MongoDB, PostgreSQL

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

Professional Experience

Senior Software Engineer

Inkitt | San Francisco, CA | *June 2024-Present*

- Architected AI-powered story generation system using Claude, increasing user-generated content by 50%
- Developed automated reader feedback system using Langchain and OpenAI, reducing response time by 60%
- Implemented comprehensive testing strategies for AI components, reducing post-release bugs by 75%

Technical Founder

Formulist | San Francisco, CA | *Sept 2023-Present*

- Developed standardized LLM services architecture using Node.js, GraphQL, and Langchain
- Created LLM prompt quality control systems ensuring consistent output between requests
- Built and deployed AI-powered platforms for business process automation

Senior Software Engineer

DoorDash | Los Angeles, CA | *June 2021 - Feb 2024*

- Designed inventory management system processing 100k+ product updates
- Engineered UI-as-a-service architecture reducing feature deployment time by 50%
- Led development of merchant tools using React.js, Kotlin, and GraphQL

Senior Software Engineer

Mothership | Los Angeles, CA | *July 2019 - Nov 2020*

- Lead frontend engineer for freight-tracking platform serving 50k+ monthly shipments
- Rebuilt client platform using TypeScript and React, increasing feature deployment by 60%

AI Projects Portfolio

Lame to Fame - AI Travel Narration Platform | Lead Engineer

- Engineered production system combining GPT-4 for narrative generation with PlayHT for voice synthesis
- Implemented scalable backend using Node.js and TypeGraphQL with Next.js frontend
- Developed sophisticated prompt engineering system for consistent narrative quality

Bravecore - Content Intelligence Platform | Lead AI Engineer

- Built AI-powered content analysis pipeline for multimedia asset management
- Implemented vector database integration for efficient content retrieval
- Improved content discovery efficiency by 200% through AI-driven indexing

Faith Crisis Companion - Mental Health Support Platform | Lead Engineer

- Developed context-aware response generation system using Claude
- Implemented vector search using Pinecone for precise information retrieval
- Transformed 1000+ hours of audio content into searchable knowledge base using Deepgram

Education

- Carnegie Mellon University, M.S. Information Systems Management
- Brigham Young University, B.S. Psychology