

# JUSTIN RICH

## Frontend AI Consultant & Full-Stack Development Expert

justinrich2008@gmail.com • (801) 636-6098 • San Francisco Bay Area  
LinkedIn: linkedin.com/in/jcrich • Portfolio: hackerpug.com

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### PROFESSIONAL SUMMARY

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Elite full-stack consultant specializing in AI-powered user experiences with 7+ years architecting enterprise-scale React applications. Expert in seamlessly integrating LLMs, conversational interfaces, and intelligent automation into production web platforms. Proven track record delivering high-performance TypeScript solutions that bridge cutting-edge AI capabilities with intuitive user experiences for millions of users.

### CONSULTING ENGAGEMENTS

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Galileo AI • Generative AI Evaluation Platform

*April 2025 - July 2025*

- Architected comprehensive agent management and evaluation system enabling developers to monitor multi-step LLM agent workflows with real-time visibility
- Built React-based dashboards for Agentic Evaluations platform supporting LLM-as-a-Judge metrics, tool selection quality, and session success tracking
- Engineered cost and latency monitoring interfaces helping enterprise teams optimize agent performance across LangGraph and CrewAI frameworks
- Developed agent debugging tools and failure mode visualization system reducing time-to-resolution for complex agentic workflow issues by 75%

Inkitt • Next-Generation AI Storytelling Platform

*July 2024 - April 2025*

- Architected AI-powered content creation interfaces using React, TypeScript, and Next.js, achieving 40% improved page load times and 25% increased user engagement
- Integrated Claude and OpenAI APIs for intelligent story generation tools, resulting in 50% increase in user-generated content
- Built responsive React Native mobile applications with AI feedback systems, achieving 4.8-star ratings and 30% user retention increase
- Implemented comprehensive CI/CD pipelines with automated testing, reducing deployment time by 40% and post-release bugs by 75%

Okoa Capital • Real Estate Lending Intelligence

*March 2024 - July 2024*

- Architected comprehensive loan management platform with conversational AI interfaces for real estate lending workflows using React, TypeScript, and OpenAI integration
- Built intelligent document processing system with natural language querying capabilities, reducing due diligence processing time by 70%
- Developed AI-powered deal analysis dashboards enabling loan officers to interact with complex financial data through natural language prompts
- Implemented real-time AI agents for email processing and CRM integration, automating loan origination workflows and improving decision-making speed

Greenlite • Financial Compliance AI Platform

*February 2024*

- Engineered comprehensive prompt evaluation system for regulatory-compliant AI agents handling AML and KYC reviews
- Built React-based monitoring dashboards enabling compliance teams to audit AI decision-making processes in real-time
- Implemented automated testing frameworks ensuring consistent AI outputs meeting federal banking regulatory standards

- Designed evaluation metrics and reporting interfaces supporting SOC 2 compliance and model validation requirements

## IN-HOUSE EXPERIENCE

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### Software Engineer

2021 - 2024

DoorDash • Los Angeles Metropolitan Area

- Designed enterprise merchant tools using React.js, TypeScript, and GraphQL serving 100k+ merchants with real-time inventory management
- Engineered UI-as-a-service architecture reducing feature deployment time by 50% across multiple web applications
- Built secure data processing systems handling sensitive merchant analytics with 99.9% platform uptime
- Led cross-functional teams implementing automated testing strategies and security best practices for financial data

### Senior Software Engineer

2019 - 2020

Mothership • Greater Los Angeles Area

- Led frontend engineering for freight-tracking platform serving 50k+ monthly shipments across 5 US markets
- Rebuilt entire client-facing platform using TypeScript, React Hooks, and Redux, resulting in 60% faster feature deployment
- Designed comprehensive integration and unit testing using Jest and Cypress, reducing regression bugs by 40%
- Scaled frontend architecture by standardizing data layer logic and decoupling server requests from user interface

## TECHNICAL EXPERTISE

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### AI Integration & Frontend

React.js, TypeScript, Next.js, OpenAI APIs, Claude Integration, Langchain, Vector Databases, Prompt Engineering, Conversational UI, React Native

### Backend & Cloud Architecture

Node.js, GraphQL, RESTful APIs, AWS, Vercel, Docker, Serverless Functions, Database Design, API Security

### Development & Testing

Jest, Cypress, Unit Testing, Integration Testing, CI/CD Pipelines, Git, Agile Methodology, Code Reviews, Performance Optimization

### AI/ML Technologies

Large Language Models, Voice Synthesis, Computer Vision, Deepgram, PlayHT, Pinecone, Vector Search, NLP Processing, AI Workflow Automation

## EDUCATION

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### Master of Science, Information Systems Management

Carnegie Mellon University

### Bachelor of Science, Psychology

Brigham Young University

## NOTABLE AI PROJECTS

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### Lame to Fame - AI Travel Narration Platform

- Engineered production-grade system integrating GPT-4 for content generation and voice synthesis for personalized travel experiences

### Faith Crisis Companion - Mental Health AI Support

- Created platform with Deepgram transcription and Pinecone vector search, transforming 1000+ hours of audio into accessible support resources