JUSTIN RICH

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SUMMARY

Full-stack software engineer specializing in TypeScript, React, and AI-powered audio applications. Expert in building consumer-facing platforms for millions of users with deep experience in voice synthesis, real-time audio processing, and intuitive UI/UX design for AI-driven products.

EXPERIENCE

Formulist (AI Strategy & Consulting)
San Francisco, CA

Technical Founder | September 2023 - Present

Galileo - Enterprise Financial Technology
- Rearchitected frontend application using modular Backend-for-Frontend (BFF) architecture with NextJS App Router, improving development velocity by 40%
- Designed and implemented centralized style library and design system, ensuring consistent UI/UX across multiple product surfaces
- Built intuitive agent management interface enabling non-technical business users to visualize and configure complex agentic workflows
- Rapidly prototyped and deployed AI-powered features using OpenAI, Langchain, and Claude for enterprise financial technology platform

Inkitt - Digital Novel Publisher (Consumer Platform)
- Developed AI reader feedback agent using Langchain and OpenAI, reducing user response time by 60% and improving user satisfaction
- Created AI-powered story variation tool using Claude, increasing user-generated content by 50% through intuitive UI design
- Implemented rapid testing and deployment strategies using Jest, reducing post-release bugs by 75%

Greenlite - Financial Technology
- Engineered series of AI agents performing "Know Your Customer" background checks with real-time processing capabilities
- Reduced financial risk analysts' approval time by 50% through automated document processing and intelligent workflow design
- Built responsive frontend interfaces enabling rapid decision-making with clear data visualization

Okoa Capital - Real Estate Lending
- Built automated loan application intake agent using advanced NLP models for intelligent document extraction
- Reduced due diligence processing time by 70% through streamlined UI/UX and workflow automation
- Designed clean, functional interfaces enabling rapid loan processing with minimal user friction

DoorDash
Los Angeles, CA

Senior Software Engineer | June 2021 - February 2024
- Designed full-stack merchant tools serving millions of consumers using React.js, Kotlin, Node, and GraphQL
- Built DoorDash's first retail-specific inventory management system, processing 100k+ real-time product updates
- Engineered UI-as-a-service architecture reducing feature deployment time by 50% through rapid experimentation framework
- Led cross-functional design collaboration resulting in 12% sales increase across 100k+ merchants

Mothership
Los Angeles, CA

Senior Software Engineer | July 2019 - November 2020
- Led frontend engineering for consumer logistics platform serving 50k+ monthly users with real-time tracking capabilities
- Rebuilt entire client-facing web platform using TypeScript and React Hooks, achieving 60% faster feature deployment
- Designed comprehensive testing strategy reducing regression bugs by 40% through rapid iteration cycles

TECHNICAL SKILLS

Frontend & UI/UX:
TypeScript, React, NextJS, Tailwind CSS, Design Systems, Responsive Design

Audio & AI:
ElevenLabs, OpenAI, Claude, Langchain, Voice Synthesis, Real-time Processing

Backend & APIs:
Node.js, GraphQL, NestJS, RESTful APIs, Real-time Systems, WebRTC

Infrastructure & Testing:
Docker, AWS, Vercel, Jest, Cypress, CI/CD, Performance Optimization

EDUCATION

Master of Science, Information Systems Management
Carnegie Mellon University | 2013

Bachelor of Science, Psychology