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SUMMARY

Senior Full-Stack Engineer (front-end leaning) with 13+ years designing and shipping human-centered, enterprise-scale web applications using TypeScript, React, distributed systems and cloud infrastructure; led AI/LLM initiatives that generated \$50M+ in new revenue and increased product sales 16%. I build intuitive, accessible UI/UX and end-to-end features—integrating APIs, storage and scalable back ends—for products used by millions, with a strong focus on Web Development, performance and reliability. I thrive in high-velocity, AI-first teams, take high ownership across engineering, growth and sales, and mentor engineers to rapidly iterate toward product excellence.

EXPERIENCE

Target - Senior Engineer

2020-08 - Present

- ▶ Built a full-stack AI negotiation agent (React front-end, Python back-end, integrated vendor APIs) that optimized vendor pricing and product mix—directly enabling >\$50M in incremental revenue for sales and marketing teams (ownership from prototype to production).
- ▶ Designed and shipped a trend-detection AI agent integrated into the internal advertising pipeline that increased associated product sales by 16% and informed store-level product placement decisions (data pipelines, model serving, product feedback loops).
- ▶ Architected and launched two internal AI platforms—Chatbot as a Service (React, LangGraph.js) and Agent Builder (Python, FastAPI)—that enabled dozens of teams to self-serve RAG-enabled chatbots and agentic services, accelerating AI adoption and reducing integration time for internal teams.
- ▶ Led front-end architecture and delivery of Gallery, an enterprise 3D asset management app: migrated MVP to scalable React app, implemented Redux-Saga for predictable state management, and established CI/CD pipelines for repeatable deployments and automated testing.
- ▶ Re-architected a high-throughput asset pipeline (Kotlin, Python, Kafka) to process thousands of 3D assets daily; implemented a Kafka→Elasticsearch search pattern that reduced search latency from minutes to under 2 seconds and improved discoverability.
- ▶ Championed AI/LLM security and adoption—ran technical workshops for 100+ engineers, authored LLM security best practices (prompt injection mitigation), and consulted with InfoSec to shape secure model usage and guardrails.
- ▶ Mentored 5+ junior engineers and interns, providing technical coaching, code review leadership, and career development that improved team throughput and retention; promoted cross-functional collaboration with product, design, and data teams.

Ameriprise Financial Services, Inc. - Manager, Front End Engineering

2019-02 - 2020-07

- ▶ Owned front-end delivery for multiple core customer-facing products—translating complex business requirements into technical roadmaps and measurable feature outcomes while partnering closely with Product and UX teams.
- ▶ Designed and implemented a standardized, reusable component library and internal development toolset (React/JSX patterns, accessibility and theming guidelines), increasing developer productivity by ~25% and reducing new-hire onboarding time by ~40%.
- ▶ Managed agile delivery and cross-functional execution (Scrum ceremonies, backlog prioritization), improving team velocity by 30% and enabling a reliable bi-weekly release cadence with automated CI/CD and regression testing.
- ▶ Instituted engineering quality practices—unit/integration tests, linting, and structured code review workflows—that reduced critical production bugs by 45% year-over-year.

- ▶ Led front-end mentoring and performance coaching for a team of engineers, establishing regular 1:1s, career development plans, and performance reviews to elevate craftsmanship and retention.
- ▶ Bridged technical and business stakeholders to define REST APIs and integration patterns, improving product alignment, reducing scope churn, and ensuring on-time delivery of key UX milestones.

Robert Half Technology - Developer

2017-07 - 2019-02

- ▶ Led end-to-end development of a mission-critical Inventory Fulfillment web application for Post Consumer Brands—automating manual workflows and improving order fulfillment accuracy by 25% through UI/UX improvements and robust backend integrations.
- ▶ Delivered scalable, secure web solutions as a lead consultant for enterprise clients (including financial services), translating business requirements into API designs, data models, and maintainable front-end code.
- ▶ Acted as hands-on technical lead on Agile teams—driving sprint planning, CI/CD adoption, and cross-discipline collaboration to hit project milestones and SLAs.
- ▶ Improved code quality and maintainability by enforcing testing standards, meaningful documentation, and design patterns that reduced defect rates in production.
- ▶ Mentored junior engineers on front-end engineering best practices, accessibility, and performance optimization to raise team delivery standards.

Project Ricochet - Developer II

2017-03 - 2017-06

- ▶ Developed and launched full-cycle Drupal websites for high-profile clients (including UC Berkeley), managing requirements, implementation, and delivery with a strong focus on UX and maintainability.
- ▶ Collaborated in a 12-person Agile team to translate client needs into modular technical solutions, ensuring timely delivery and high client satisfaction.
- ▶ Built custom Drupal modules and themes to extend platform capabilities and integrate third-party services (APIs), improving site functionality across multiple projects.
- ▶ Refactored legacy code and optimized database queries to reduce page load times by ~66%, improving user experience and site reliability.
- ▶ Provided ongoing maintenance, resolving ~12 support tickets per week and ensuring high availability and fast incident response.

Upshot Agency - Interactive Developer

2016-03 - 2017-03

- ▶ Led front-end and full-stack development of the 2016 'Raise Summer' sweepstakes for Corona (Constellation Brands), scaling to support 350,000+ unique entrants with robust validation and performance practices.
- ▶ Engineered an anti-fraud entrant signature system that prevented scripted entries and protected contest integrity—saving the client an estimated \$750,000 in potential losses.

- Built high-traffic JavaScript applications using Meteor and Express, focusing on resilience, security, and an intuitive UX for large concurrent loads.
- Maintained and enhanced legacy applications (PHP/Laravel, C#), prioritizing stability, feature delivery, and cross-team coordination with marketing and product stakeholders.

Robert Half Technology - Full Stack Javascript Developer

2015-12 - 2020-06

- Designed and implemented a secure social login system (Angular, Express, OAuth2) integrating Twitter and Facebook SDKs—improving onboarding conversions by ~15%.
- Built a full-stack profile system supporting 10,000+ monthly unique visitors to showcase user portfolios—implementing resilient APIs, client-side performance optimizations, and CDN deployment strategies.
- Served as a core MEAN-stack developer on a high-traffic social platform—delivering new features, handling video uploads, and optimizing for scale and availability.
- Collaborated across product and marketing to iterate on growth experiments, instrumenting metrics and A/B tests to measure feature impact on engagement and retention.

Electric Citizen - Front End Developer

2015-09 - 2015-12

- Spearheaded development and launch of 5+ high-profile Drupal sites (including University of Minnesota), owning the full project lifecycle from requirements to deployment and achieving a 100% client satisfaction rate.
- Developed custom Drupal features for the League of Women Voters MN that increased user engagement by 25% and simplified content workflows for non-technical editors.
- Integrated multiple third-party APIs and delivered a complex portal for Manager Tools with 99.9% uptime post-launch by improving monitoring and release practices.
- Modernized front-end performance via JavaScript frameworks and lazy loading, reducing page load times by 40% and increasing Google Lighthouse scores by ~30 points.
- Authored a component-based design system adopted across multiple college sites, accelerating new feature development by ~30% while enforcing brand and accessibility standards.

gHost Productions, Inc - Interactive Developer

2013-08 - 2015-09

- Defined the Interactive Developer role and improved company web strategy—optimizing WordPress sites and assets to increase performance by ~80% through profiling and image optimizations.
- Developed a virtual surgery training application (GreenSock.js, Knockout.js) for DePuy Synthes used by thousands of medical professionals for hip replacement training—focusing on usability and simulated workflows.
- Pioneered VR and Unity prototypes (Oculus Rift) to create immersive training simulations and multi-modal experiences, collaborating with product and subject-matter experts to validate UX and learning outcomes.

- ▶ Built a mobile app for Spineology to showcase surgical technology at expos, driving a 40% increase in post-expo engagement and follow-up sales conversations.
- ▶ Created 'Konjure', an internal media planning and sales tool (Meteor.js) to provide real-time pricing and project planning—boosting site engagement by 30% and increasing sales by 8% in the first month.

Avallo Creative & Web Development - Web Designer

2013-12 - 2013-05

- ▶ Designed and implemented dynamic websites using HTML, CSS, and JavaScript, leveraging a proprietary front-end framework to improve UX and development velocity.
- ▶ Delivered a custom website for a construction client that generated a 40% increase in sales, enabling repeat business and securing state contracts through improved digital presence and conversion-focused design.

EDUCATION

University of Arizona

- 2023-12

Applied Computing

University of Maryland Global Campus

- 2025-07

Web Design/Cyber Security

Hennepin Technical College

- 2012-12

Interactive Design A.A.S

SKILLS

TypeScript •

React •

Web Development (TypeScript & React) •

JavaScript •

Next.js •

HTML •

CSS •

UI/UX design •

Accessibility (a11y) •

Performance Optimization (web) •

Redux •

Redux-Saga •

Node.js •

Express.js •

APIs (REST & GraphQL) •

OAuth 2.0 •

Cloud infrastructure (AWS/GCP) •

Software & system design patterns •

Data structures & algorithms •

CI/CD •

MongoDB •

LLMs •

RAG (Retrieval-Augmented Generation) •

LLM security / prompt injection mitigation •

OpenAI •

GPT-4 •

Google Gemini •

Vercel AI SDK •

Speech Synthesis / Text-to-Speech (TTS) •

Audio AI (speech models) •

Agentic AI / AI agents •

Cross-functional collaboration •

High ownership & product-focused engineering •

PROJECTS

ContentIQ

Autonomous social-media marketing platform (Next.js) that orchestrates agentic AI workflows (LangGraph, OpenAI, Google Gemini) to own strategy, content creation, scheduling, and analytics for SMB Instagram accounts. Built front-to-back as a productizable SaaS prototype with a React/Next.js UI, API-driven integrations for posting & analytics, and instrumentation to measure follower and engagement uplift — demonstrating product thinking, frontend UX design, API/infra integration, and go-to-market readiness for a 2026 SaaS launch. Keywords: React, Next.js, TypeScript, APIs, SaaS, AI agents, analytics, UX, scalability.

URL: <https://contentiq.app>

ResumeCraft

Intelligent agentic resume optimization tool (Next.js, Vercel AI SDK) that analyzes job descriptions and coordinates AI agents (Google Gemini) to generate ATS-friendly, role-targeted resumes and cover letters. Implemented front-end UX for rapid iteration, TypeScript-first code paths, and backend evaluation pipelines to reduce applicant time-to-apply and increase interview conversion — showcasing experience with full-stack feature delivery, product/UX iteration, and integrations with hiring/workflow tooling. Keywords: Next.js, TypeScript, React, Vercel, AI, ATS, UX, APIs, RAG.

LookRepo

Zero-human-intervention print-on-demand brand that automates creative generation, product creation, and fulfillment via a LangChain pipeline integrated with e-commerce and fulfillment APIs (Shopify, Printful). Built a customer-facing storefront (Remix.js) and backend order/asset pipeline to handle design-generation, cataloging, and fulfillment webhooks — demonstrating end-to-end API integrations, payment/order flow reliability, automation, and scalable e-commerce UX. Keywords: React, Remix, APIs, Shopify, CI/CD, automation, LangChain, image generation, scalability.

CoFlo

AI-native music production web app (Next.js, LangGraph) that generates cohesive soundkits from text/video prompts via multimodal pipelines (Google Gemini, ElevenLabs, Stable Audio). Delivered a performant user-facing interface for previewing, downloading audio libraries, album art, and metadata, plus backend processing for format conversion and asset delivery — aligning directly with audio-AI product requirements (TTS/audio pipelines), UX for creative workflows, and SaaS productization toward a commercial VST/plugin. Keywords: Next.js, React, audio AI, ElevenLabs, multimodal, UX, asset pipelines, APIs, performance.

Target: Chatbot as a Service

Internal self-serve platform (React, LangGraph.js) for teams to deploy RAG-enabled chatbots, reducing time-to-value for internal AI use-cases. Designed intuitive front-end flows for bot creation, role-based access, and analytics; implemented backend connectors for knowledge sources and vector stores — demonstrating product-focused delivery, frontend ownership, and cross-team collaboration to accelerate AI adoption. Keywords: React, RAG, LangGraph, APIs, UX, full-stack, deployment, observability.

Target: Agent Builder

Internal toolchain (Python, FastAPI) and API-driven deployment surface for building and productionizing agentic services and custom AI agents. Focused on secure, scalable service patterns, CI/CD for model/service rollout, and abstractions for orchestrating RAG and agent workflows — showcasing system design, backend architecture, and developer experience improvements that enable teams to ship agent features faster. Keywords: Python, FastAPI, APIs, RAG, CI/CD, deployment, microservices, system design.

Target: Gallery 3D Asset Repo

Enterprise 3D asset management product evolved from MVP to scalable platform: front-end built with React + Redux-Saga, CI/CD optimizations, and a high-throughput backend pipeline (Kotlin/Python) that processes thousands of assets daily. Implemented a Kafka→Elasticsearch search and indexing design to achieve sub-2s search latency, robust ingestion pipelines, and instrumentation for SLA-driven performance — demonstrating large-scale system design, frontend performance engineering, and cross-functional stakeholder leadership. Keywords: React, Redux-Saga, Kafka, Elasticsearch, CI/CD, scalability, performance, APIs.

GhostProductions: Konjure

Interactive media planning and sales tool (Meteor.js) that enabled visitors to plan 3D video projects and receive real-time pricing, improving lead engagement and early conversions. Owned UI/UX flows for configuration and quoting, integrated pricing APIs, and instrumented analytics to measure conversion impact — demonstrating ability to ship product-facing features that influence revenue. Keywords: React/Meteor, UX, APIs, real-time pricing, analytics, product impact.

DepuySynthes: Hip Replacement Sim

Interactive web-based surgical training tool (GreenSock.js, Knockout.js) used to train thousands of medical professionals in hip replacement procedures. Built performant, animated front-end interactions and validated instructional UX with clinical stakeholders to ensure accuracy and adoption — highlighting front-end animation expertise, user-centered design, and measurable educational impact. Keywords: UX, front-end performance, animation, interactive training, accessibility.

VR Botox Injection Sim

Multi-modal VR surgical simulator (Unity, Oculus SDK, custom hardware) developed to deliver immersive training for plastic surgeons on injection techniques. Led prototype development that combined real-time 3D, input hardware integration, and user testing to iterate on immersive UX and training effectiveness — demonstrating R&D, cross-discipline collaboration, and delivery of complex interactive systems. Keywords: Unity, VR, hardware integration, UX, simulation.

Corona Beer 2016: Raise Summer Sweepstakes

High-traffic sweepstakes platform (Full-stack JavaScript) supporting 350,000+ entrants with an anti-fraud entrant-signature system that preserved contest integrity and prevented scripted-entry losses. Engineered scalable backend flows, performance-driven front-end delivery, and security controls to ensure availability and fairness under peak load — demonstrating capacity to design and operate resilient customer-facing systems. Keywords: JavaScript, scalability, security, performance, APIs, monitoring.