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Bucky Qian
Applied AI Engineer
AI Agents, RAG, LLM Applications, TypeScript

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PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience building production software and AI-powered products across Apple and venture-backed startups, with a focus on Applied AI and LLM-powered systems.

Hands-on experience building AI agents, RAG pipelines, tool-calling workflows, structured outputs, retrieval systems, and evaluation pipelines using TypeScript, Python, OpenAI APIs, embeddings, and vector search.

Strong product engineering background across React, Next.js, Node.js, APIs, and real-time AI interfaces, with experience owning features end to end from system design and prototyping through production delivery, evaluation, and iteration.

TECHNICAL SKILLS

AI / LLM Engineering	AI Agents, RAG, LLM Applications, Tool Calling, Structured Outputs, Multi-Agent Workflows, Prompt Engineering, Agent Orchestration
Retrieval / Evaluation	Embeddings, Vector Search, ChromaDB, Semantic Retrieval, Top-K Retrieval, Metadata Filtering, Precision@K, Recall@K, Faithfulness Evaluation, Answer Relevance, LLM-as-Judge
Languages	TypeScript, JavaScript (ES6+), Python
AI Frameworks / APIs	OpenAI API, OpenAI Agents SDK, Zod, LLM Tool Integration, Agent Tracing
Backend / APIs	Node.js, REST APIs, Server-Sent Events (SSE), WebSockets
Frontend	React.js, Next.js, Vue.js (2/3), Redux, Vuex, Tailwind CSS, HTML5, CSS3, Accessibility (WCAG 2.1 AA, ARIA)
Analytics / Product	PostHog, Google Analytics, Event Tracking, Funnel Analysis, A/B Testing, User Behavior Analytics
Testing	Jest, Cypress, Playwright, Enzyme
Infrastructure / Tooling	Git, GitHub Actions, Vercel, Railway, Vite, Webpack, NPM, Yarn

EXPERIENCE

Topify AI

Nov 2025 — Aug 2026

Frontend Engineer

San Francisco, CA

Built and owned production user experiences for an AI-powered SaaS platform focused on LLM visibility, prompt analysis, citation monitoring, and generative search optimization, partnering directly with founders from product definition through launch and iteration.

- Built and owned customer-facing workflows for **LLM-powered visibility analysis**, prompt tracking, citation monitoring, competitor analysis, and AI-generated reporting using **TypeScript**, **React**, and **Next.js**.
- Developed real-time AI analysis interfaces using **Server-Sent Events (SSE)**, progressively streaming prompts, answers, competitor insights, sentiment, and analysis results to users.
- Designed end-to-end product workflows spanning onboarding, workspace configuration, AI analysis generation, reporting, and subscription conversion.
- Built internal tooling for prompt management, AI provider tracking, product monitoring, and operational debugging.
- Implemented **PostHog** instrumentation and conversion funnels across signup, onboarding, analysis generation, and purchase flows to identify product drop-off and guide iteration.
- Integrated **Stripe** subscription billing, trials, coupon systems, referral attribution, and self-service payment workflows.
- Improved frontend performance, accessibility, **SEO**, and **Generative Engine Optimization (GEO)** across product and marketing applications.
- Partnered directly with founders on product requirements, customer feedback, technical tradeoffs, and roadmap prioritization.

Apple Inc.

Fall 2021 — Oct 2025

Frontend Engineer

Cupertino, CA

Contributed to the Core Services team, building and scaling internal web platforms supporting global Apple operations. Focused on accessibility, frontend performance, framework modernization, and AI-powered user experiences.

- Designed and delivered AI-powered chat and recommendation experiences that improved content discoverability and support automation efficiency.
- Led accessibility initiatives across multiple internal platforms, achieving full **WCAG 2.1 AA** compliance and reducing post-release accessibility defects by **80%**.
- Conducted accessibility audits using **Xcode Accessibility Inspector** and **Axe**, establishing reusable accessibility standards adopted across teams.
- Led migration from **Vue 2 to Vue 3** and transitioned build systems from **Webpack to Vite**, improving developer iteration speed by **40%**.
- Refactored internal content and article delivery systems, improving rendering performance, cross-browser consistency, and screen-reader compatibility.
- Optimized application performance through lazy loading, code splitting, asset prefetching, and CI/CD automation, reducing initial load times by **30%**.

Key Achievements:

- **2025:** Led modernization of the internal content framework, improving maintainability and scalability.
- **2024:** Deployed AI-powered internal tools that increased self-service support efficiency by **25%**.
- **2023:** Completed the full migration to **Vue 3 + Vite**, aligning with Apple's internal modernization roadmap.

Technologies: Vue.js (2/3), React.js, TypeScript, Vite, Vuex, Redux, JavaScript (ES6+), HTML5, CSS3 (Grid/Flexbox), Jest, Enzyme, Axe, Xcode Accessibility Inspector, GitHub Actions, Agile/Scrum

EDUCATION

Master of Information Studies in Technology, *Trine University*

Aug 2025

Bachelor of Computer Science, *University of California, Santa Cruz*

2021

Associate's Degree in Math and Computer Science, *College of San Mateo*

2019