

Quinton Miller

FULL-STACK ENGINEER

quintonmiller1993@gmail.com · quinton.dev · github.com/quintonmiller · linkedin.com/in/quinton-miller

Product-focused full-stack engineer with a decade of experience shipping large-scale web applications and AI tooling, currently building advertiser products for Amazon Brand Stores. Strongest in React, TypeScript, product engineering, component architecture, and agentic AI experiences that help users complete complex workflows through natural language. Tech lead and mentor who works across the stack, from tier-1 services handling tens of thousands of requests per second to user-facing AI products designed, built, and shipped from early proof of concept to production.

EXPERIENCE

Amazon *Front-End Engineer II, Brand Stores (Amazon Advertising)* 2019 – Present

- Build advertiser-facing tools and AI features for Brand Stores, the self-service storefront builder used by 1M+ advertisers to reach 300M+ shoppers worldwide.
- Designed the AI Builder Assistant, an agentic system and conversational UI that helps advertisers understand recommendations from their data and create or update Store pages and widgets using natural language.
- Launched 25+ features end-to-end with React, TypeScript, Java, and AWS, including AI-powered experiences validated through A/B experiments at scale.
- Tech lead on cross-team initiatives of up to 25 engineers, driving technical direction through design docs adopted by the team and roadmap planning with product.
- Own and operate tier-1 services handling tens of thousands of requests per second; improved availability, cut operational load, and authored postmortems for major incidents.
- Mentor 5+ engineers, interview candidates, and led the team day-to-day through an extended manager absence; recognized with a promotion, top performance rating, and an internal hackathon win.

Shelter Insurance *Software Developer I → III* 2016 – 2019

- Promoted twice in three years building customer-facing web applications serving tens of thousands of users, with a heavy focus on web performance, SEO, and accessibility (Angular, PHP, AWS).
- Created and led a design system of shared styles and web components adopted by three teams, cutting duplication and the time to spin up new pages.
- Raised Lighthouse performance scores by 40–60 points by designing a custom server-side rendering solution.
- Drove AngularJS → Angular migrations across multiple applications and built the team's A/B testing infrastructure.

INDEPENDENT PROJECTS

ProposeFlow Next.js · TypeScript · Fastify · PostgreSQL · AWS

AI proposal-generation service designed, built, and shipped solo. Treats LLM output as proposals requiring human approval before reaching the database. Users describe what they need in natural language, then approve, edit, or reject the structured result.

Tailored AI TypeScript · Node.js · React · SQLite · Ollama

Modular AI agent framework designed around replaceable components for tools, agents, model providers, memory, communication channels, and UI. Supports both cloud and local models, with core pieces configurable without rewriting the system.

SKILLS

Languages	TypeScript · JavaScript · Java · Python · PHP · SQL · HTML · CSS
Front End	React · Next.js · Angular · React Native · Redux · Storybook · Design systems · Advanced CSS
AI Systems	Agent architectures · Tool use / MCP · Human-in-the-loop · Agentic UI · RAG · Evals · Claude · Bedrock · Ollama
Back End & Cloud	Node.js · Java services · Serverless · AWS (Lambda, DynamoDB, S3, SQS, CDK) · PostgreSQL · Redis
Quality & Ops	Jest · Cypress · CI/CD · Canary deploys · Incident response · Accessibility · Web performance · A/B testing

EDUCATION

University of Missouri — Columbia B.S. Computer Science, Minor in Mathematics

May 2017