

Senior Full-Stack Engineer at Intuit with 5+ years building production applications and distributed systems. Deep expertise in React, TypeScript, and Kotlin/Spring Boot, delivering end-to-end features from user interface to scalable backend infrastructure.

EXPERIENCE

- **Intuit** Mountain View, CA
Senior Software Engineer - Search *Feb. 2025 - Present*
 - Built GraphQL-based Search Service using Kotlin and Spring Boot, unifying data access across QuickBooks microservices as the primary search backend serving 20M+ daily requests
 - Engineered reactive service using Kotlin coroutines and optimized thread pools, reducing infrastructure costs by improving concurrent request handling with lower CPU/memory footprint
 - Designed object-oriented search provider framework, accelerating feature velocity and enabling rapid integration of new search clients
 - Architected intelligent cache invalidation system for search results using Valkey/ElastiCache, achieving 80% latency reduction, 40% hit rate, and reduced infrastructure costs
 - Developed AI-powered semantic search using vector embeddings, enabling natural language query processing and complex search operations
 - Created performance testing framework using WireMock to simulate faults and progressive load in pre-production, preventing incidents and enabling confident scaling
 - Established CI/CD pipeline for weekly releases with comprehensive instrumentation and on-call alerting infrastructure
 - Contributed to MCP-based agent for Claude that auto-generates Wavefront dashboards from application metrics, enabling engineers to bootstrap observability in minutes instead of hours
- Software Engineer II - Search* *Feb. 2023 - Jan. 2025*
 - Modernized QuickBooks search bar UI using React Hooks and responsive design, increasing search adoption by 30% through improved user experience
 - Designed and implemented full-stack self-service portal (React + Java REST API) during hackathon, enabling PMs to manage search routes and eliminating manual engineer uploads
 - Architected AWS S3 data pipeline to migrate static search routes from legacy service to modern search backend
- Software Engineer - Audit Log* *Sep. 2021 - Jan. 2023*
 - Led Transaction History redesign as part of monolith-to-microservices migration, building React components for new backend architecture
 - Built high-demand CSV export feature using parallel API requests and client-side aggregation, serving 10K+ daily users
- Software Engineer Intern* *Jun. 2020 - Sep. 2020*
 - Delivered mobile-first responsive UI improvements for QuickBooks web app
- **Tapestry Solutions** San Luis Obispo, CA
Software Developer *Jul. 2018 - Dec. 2019*
 - Built React-based inventory management system for military supply chain operations

PROGRAMMING SKILLS

Languages: JavaScript/TypeScript, Kotlin, Java, Python, SQL
Frontend: React, React Hooks, Responsive Design, Modern CSS
Backend: Spring Boot, Node.js, GraphQL, Elasticsearch, Redis, Microservices
Cloud & DevOps: AWS (S3, EC2, Lambda), Kubernetes, Docker, CI/CD Pipelines

EDUCATION

- **California State Polytechnic University** San Luis Obispo, CA
Bachelor of Science in Computer Science *Mar. 2021*