

EXPERIENCE

- Intuit** Mountain View, CA
Senior Software Engineer - Search Dec. 2024 - 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 and 40% hit rate while maintaining data consistency across dynamic entity updates
 - 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* Jan. 2023 - Nov. 2024
 - 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 - Dec. 2022
 - 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: Kotlin, Java, JavaScript/TypeScript, Python, SQL
Frameworks & Tools: Spring Boot, React, Node.js, GraphQL, Elasticsearch, Redis, Docker
Cloud & DevOps: AWS (S3, EC2, Lambda), Kubernetes, CI/CD Pipelines, Microservices Architecture

EDUCATION

- California State Polytechnic University** San Luis Obispo, CA
Bachelor of Science in Computer Science Sep. 2016 - Mar. 2021