

NIKITA AGHI

Fremont, CA | (510) 508-4212 | nikita.aghi@gmail.com | [linkedin.com/in/nikitaaghi](https://www.linkedin.com/in/nikitaaghi)

Full Stack Tech Lead with 14+ years of experience. Specializes in building and scaling end-to-end SaaS products, from product development using React, GraphQL & Java microservices to distributed systems leveraging Kafka messaging and OpenSearch. Actively leverages AI coding assistants to drive engineering velocity, establish technical standards, and deliver measurable outcomes.

TECHNICAL SKILLS

Languages & Frameworks: React, Java, JavaScript, TypeScript, Python, Node.js, GraphQL, HTML5, CSS3, REST APIs, OAuth/AuthN SDK, OpenSearch, Elasticsearch, PostgreSQL, MySQL, Playwright, Cypress

AI & Developer Tools: Claude Code, Cursor, Augment, Qodo, GitHub Copilot, Agentic AI, LLMs, Prompt Engineering, Code Generation, LaunchDarkly, Figma, Miro, Segment Tracking, Git, Github

Cloud & Infrastructure: AWS, S3, Kafka / JMS Messaging, Kubernetes, ArgoCD, CI/CD

Observability & Monitoring: Splunk, Wavefront, AppDynamics, PagerDuty

Engineering Practices & Leadership: Agile, Scrum, Cross-functional collaboration, Technical Leadership, Architecture Design, Engineering Mentorship, Code Reviews, I18N, Accessibility, Data-driven Development

WORK EXPERIENCE

Intuit – QuickBooks Payroll & Workforce Platform

August 2016 – Present

Senior Software Engineer / Tech Lead · Full-Stack & Infrastructure

August 2019 – Present

Employee Management Service (EMS) – OpenSearch Onboarding & Third-Party Developer Support

- Owned critical components of Employee Management Service (EMS), a Java microservice on Intuit Kubernetes Service (IKS) serving as the authoritative system of record for employee data within QuickBooks.
- Led EMS onboarding to OpenSearch, enabling global employee search across QuickBooks – now 22% of total global search traffic – with support for display name, preferred name, and address lookup.
- Executed zero-downtime migration of 190M employee records to OpenSearch, pivoting from a cron-based approach to a chunked S3 upload strategy; used AI-assisted prompt engineering to generate a Python parser that caught data issues mid-migration.
- Built Splunk, Wavefront, and AppDynamics dashboards and alerts to monitor EMS production health and surface anomalies proactively.
- Led a team of 5 engineers to migrate QuickBooks employee endpoints from monolith endpoints to EMS via GraphQL facade layer, enabling third-party developer continuity.

Employee Management Service – Unified Employee Invite Experience

- Led full-stack delivery of the redesigned employee invitation flow across Workforce Time, Payroll, and Expense, onboarding ~1M employees through the new experience.
- Owned critical infrastructure components including the async identity messaging listener in EMS; resolved launch-blocking bugs and ran test jams to ensure zero P0/P1 defects at launch.
- Built Splunk dashboard enabling PMs and analysts to self-serve key funnel metrics, eliminating ad-hoc data requests.
- Mentored and onboarded new engineers onto Consolidated Invites, providing technical walkthroughs and unblocking urgent zero-state Fusion track work.

Employee Management Service – Identity Modernization & MFA Enforcement

- Led migration of high-traffic Identity endpoints (~100K calls/day) within EMS as part of an Intuit-wide security initiative – delivered on schedule with zero P0/P1 incidents.
- Maintained full observability via Splunk dashboards and alerts throughout traffic cutover.
- Spearheaded MFA enforcement for bulk workforce invites, designing a persistent storage architecture to handle complex edge cases; launched with zero P0/P1 bugs.

QuickBooks Workforce – Human Capital Management

- Owned end-to-end delivery of a modernized employee profile experience in React and GraphQL, authoring a reusable component library consumed across onboarding, ongoing experience, and workforce views – reducing duplication and accelerating feature delivery.
- Reused employer-facing profile UI for the employee-facing view, leveraging prompt engineering to generate field visibility configuration – reducing frontend build time while demonstrating AI-augmented engineering in production.
- Implemented intelligent routing for the employee profile, rendering the correct experience based on access point and feature flag state across multiple product entry points.

Payroll Reports Platform – API Architecture & Monolith Decomposition

- Served as Tech Lead for a 5-engineer team decomposing the monolith payroll reports UI into a modern stack (React, GraphQL, Java REST APIs) – authoring GraphQL schemas and REST API patterns adopted as org-wide standards.
- Held full ownership of the payroll reports UI plugin – conducting code reviews for external teams, managing bug fixes, and overseeing on-demand releases for one of the highest-traffic areas of QuickBooks.
- Spearheaded daily standups as acting Scrum Master, partnering with Product and Engineering leadership to prioritize team tasks, plan sprints, and deliver on realistic timelines.

Software Engineer II · Frontend

April 2016 – July 2019

Modernizing QuickBooks Payroll – Kubernetes & Platform Foundations

- Led production deployment of a new GraphQL service onto Intuit's internal Kubernetes platform – among the first Node.js services onboarded – establishing deployment pipeline patterns, autoscaling configuration, and secrets management practices adopted by subsequent teams.
- Led end of end delivery of modernized Employee List using React and newly developed graphql service significantly improving TP99 load time of employee list page by 200%.
- Integrated APM tooling (AppDynamics + PagerDuty) and enforced PR-level linting and code coverage gates, raising the bar for engineering quality across the team.

Flixster, Inc (acquired by Fandango / Warner Bros.)

September 2012 – March 2016

Application Engineer · Android & Web

- Built and maintained the Flixster Android app (millions of active users) – delivering paginated reviews, Google Maps theater discovery, and video ad SDK integrations (AdColony, Google IMA), plus monetization and analytics integrations (Adobe Omniture, Amazon A9, DFP, AdX).
- Developed Rotten Tomatoes CMS admin tools in jQuery/Bootstrap.

Splunk, Inc

May 2011 – April 2012

Engineering Intern

- Designed a Python-based backend test automation suite; automated REST endpoint testing; built an XML-based data ingestion application.

EDUCATION

University of California, Berkeley

May 2012

B.S. Electrical Engineering and Computer Science (EECS)

CONTRIBUTIONS AND RECOGNITION

- **Tech Talks:** Held architecture deep dive sessions showcasing modernized Payroll Architecture
- **Girls Who Code Program:** Mentored high school students interested in Computer Science
- **Spotlight Awards:** Received multiple Customer Obsession spotlight awards throughout my tenure at Intuit