

- ⌚ AWS, Node, TypeScript, React, Tailwind, Express, Postgres (PostGIS, pgvector)
- Led three engineers as Product Engineering tech lead to build an aid distribution platform for government and nonprofit orgs, processing \$350M+ in aid to date.
- Built geospatial mapping with CAL FIRE data integrations to launch LA Wildfire Relief initiatives in two weeks, distributing \$25M+ to victims of Jan 2025 wildfires.
- Built 0 → 1 self-serve Admin Panel for payment processing and program configuration.
- Implemented AI system architecture for workflow automation and data analysis.
- Developed fraud mitigation pipeline using TensorFlow and vector-based document analysis improving processing performance from several minutes to under 1 second.
- Established Storybook component library and design system leveraging shadcn/ui components, Framer Motion, and Tailwind.

② Principal Software Engineer 2021 — 2023

- ⌚ AWS, Kotlin, Java, Spring Web, Typescript, React, Keycloak
- Led five full-stack engineers to launch SaaS platform for enabling passwordless authentication for enterprise IdPs (Okta, G Suite, Azure AD) and identity verification.
- Built 0 → 1 FIDO2-based VPN/Wi-Fi auth solution using RADIUS protocol to enable passwordless network access for unified enterprise deployment.
- Led accessibility auditing and implementation to enable sales motion with financial institutions requiring rigorous VPAT, WCAG, and Section 508 compliance.
- Contributed to FIDO Alliance accessibility guidelines for Passkey implementations.

③ Senior Member of Technical Staff 2018 — 2021

- ⌚ AWS, Java, Spring Web, Typescript, React, GraphQL
- Launched EC2 cost optimization and resource planning tools for AWS Savings Plans and Reserved Instances to help customers streamline infrastructure management.
- Relocated to London to scale engineering teams across EMEA and APAC, strengthening cross-regional collaboration with Boston HQ.

④ Senior Software Engineer 2016 — 2018

- ⌚ AWS, Azure, Ruby on Rails, MySQL, Angular, Resque, RabbitMQ
- Built multi-cloud infrastructure management tools for resource utilization, governance policies, and automation workflows.
- Built Azure VM and SQL DB Rightsizing recommendation engine to expand multi-cloud product offerings and ensure feature parity across all major cloud providers.