

Staff Engineer

The most valuable engineering isn't building systems that work — it's understanding why they break. 10+ years building anomaly detection, fraud prevention, and security infrastructure; now designing GenAI agents that reason about failure across enterprise networks.

SKILLS

Languages & Tools	Go, Java, Python, Unix
Infrastructure	Kubernetes, Docker, Operator Framework, Crossplane, Terraform, ArgoCD, GitLab CI/CD
Cloud & Data	AWS (GWLB, TGW, VPC), Azure (AKS, PostgreSQL), Equinix Colo, Kafka, Redis, Elasticsearch
Domains	Distributed Systems, Network Security, Fraud Prevention, ML/GenAI for Operations, Observability

TECHNICAL EXPERIENCE

Senior Staff Software Engineer Nov 2025 — Present
Hewlett Packard Enterprise, Hybrid Mesh Firewall United States

- Lead engineer for AI-driven network assurance: anomaly detection, health monitoring, and automated root-cause analysis across converged network and security operations.
- Designing GenAI agents that investigate network anomalies across telemetry, topology graphs, and historical incidents for proactive remediation at scale.
- Driving architecture and cross-team alignment for the intelligence layer across security and network operations teams.

Staff Software Engineer Mar 2022 — Oct 2025
Juniper Networks, Juniper Cloud Interlink Santa Clara, CA

- Designed and built core connectivity engine enabling secure cross-cloud networks in minutes across AWS, Azure, Equinix Colo, and private data centers.
- Architected the Finite State Machine managing lifecycle and state transitions for 5,000+ cloud resources — the stability backbone of the platform.
- Led platform modernization to Kubernetes Operator model (Operator Framework + Crossplane), driving the technical vision and mentoring engineers through the migration.

Senior Software Engineer Oct 2020 — Mar 2022
Acumen, LLC Burlingame, CA

- Built data ingestion pipelines aggregating epidemiological feeds from federal, state, and county health agencies for COVID-19 policymaking.
- Owned validation and deduplication logic ensuring data integrity across inconsistent government reporting formats and update cadences.

Senior Software Engineer Jun 2016 — Sep 2020
Ticketmaster Los Angeles, CA

- Architected scalable bot-detection pipeline handling 15M+ messages/min using Apache Storm and Kafka, protecting high-demand events from automated abuse.
- Engineered feature interaction vectors for a Vowpal Wabbit ML model, improving detection accuracy against novel bot patterns.
- Built secure token validation API integrated with Queue IT, enabling reliable authentication for up to 2M concurrent users during peak on-sale events.

Software Engineer 2014 — 2016
Dell Technologies San Francisco Bay Area

- Engineered RESTful Java services handling device lifecycle management for enterprise customers including major financial institutions, supporting millions of IoT and mobile devices.
- Co-architected Two-Factor Authentication system; designed MongoDB schemas optimized for high-throughput device telemetry.

Software Engineer Mar 2014 — Jun 2014
Google, Google Flights Mountain View, CA

- Built parsers and data transformation pipelines normalizing flight data from diverse airline APIs across XML, JSON, and proprietary formats.

EDUCATION

M.S. Computer Science, San José State University 2012 — 2014
B.Sc. Computer Science, University of Mumbai 2007 — 2011