

Senior Software Engineer with extensive experience designing and scaling enterprise systems, specializing in high-availability infrastructure, identity management, and data-driven application development. Proven track record of owning mission-critical platforms processing 10K+ TPS with 99.99% uptime, modernizing legacy systems with secure APIs and event-driven architectures, and building tools that accelerate business decision-making across finance, marketing, and operations. Skilled at driving cross-functional initiatives, from establishing enterprise-wide compliance standards that improve monitoring accuracy.

Expertise: Systems Architecture, API Design, Identity & Access Management, Distributed Systems, High Availability, Scalability, Cloud Security, Data Integration, Workflow Automation, Performance Optimization, Root Cause Analysis, Stakeholder Communication, Cross-Functional Collaboration, Technical Leadership

Recent Professional Experience

Capital One

Oct 2024 – Oct 2025

Senior Software Engineer

- Held ownership of mission-critical infrastructure, managing API Gateway components processing 10K+ transactions per second with 99.99% uptime, ensuring high availability and reliability at scale.
- Led an enterprise-wide security compliance initiative, standardizing entitlement reporting across 10,000 engineers and reducing per-team security report generation from days to minutes.

PSYOP

Oct 2007 – Feb 2024

Senior Software Engineer

- Built and maintained a distributed database platform supporting remote offices with 99.99% availability and enhanced observability for proactive issue resolution.
- Crafted internal tools and dashboards for operations, marketing, and finance, increasing cross-team agility and reducing IT dependency for reporting and insights.
- Modernized legacy systems, implementing secure APIs, event-driven data pipelines, and pub-sub integrations via RabbitMQ, enabling scalable and reliable inter-application communication.

Certifications:

- AWS Certified Solutions Architect – Associate

Leadership

- Chief Morale Officer, Psyop
- Community Volunteer, North Brooklyn Mutual Aid Society

Technologies

- **Programming & Frameworks:** Python, Go, PHP, JavaScript, React, Django, FastAPI, TypeScript
- **Databases & Caching:** PostgreSQL, MySQL, DynamoDB, MS-SQL, Redis
- **Cloud & Infrastructure:** Amazon Web Services (AWS), Azure, Docker, LXC
- **DevOps & Tooling:** CI/CD, Git, GitHub, NGINX, Apache, ETL
- **Systems & Security:** LDAP, Active Directory, RBAC
- **Data & Analytics:** Data Modeling/Normalization, Monitoring/Alerting
- **Collaboration & Practices:** Agile, TDD, Jira