

YOGESH SHARMA

Principal Software Engineer at Intuit | Cloud, Security and Platform Engineering

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Summary:

With over 14 years of experience as a software engineer, I am passionate about engineering excellence and developing solutions that improve the efficiency and quality of software development and delivery. I currently work as a Principal Software Engineer at Intuit, where I leverage my skills in cloud computing, platform engineering to create tools and services that enhance the productivity and performance of Intuit's platform and products. My previous roles have exposed me to a variety of distributed computing environments, including e-commerce, BFS, FMCG, large-scale software, and social media. I have successfully migrated, re-architected, and containerized services across AWS, Azure, and GCP, as well as managed and operated large-scale systems that handle billions of transactions. I have also implemented infrastructure as code, automation, monitoring, HA/DR, fault tolerance, and capacity planning solutions using various languages and technologies. I enjoy solving complex problems and collaborating with other engineers to deliver scalable, reliable, and user-friendly solutions.

Experience:

Intuit | **Principal Software Engineer** | **Nov 2022 - Present**

As a Principal Engineer at Intuit, I lead strategic initiatives across the Identity ecosystem, focusing on scale, security, performance, and cost efficiency. I bring architectural depth and a forward-looking vision to Intuit's Identity platform, spanning Authorization (AuthZ), Authentication (AuthN), IIDLM, and Connected Identity.

Strategic Leadership & Impact Areas:

- **Platform Scalability & Modernization:** Driving large-scale initiatives to scale Identity systems for future growth, delivering platform architecture that supports massive traffic volumes while improving performance and service isolation. Enabled major capacity improvements with built-in headroom for evolving business needs.
- **Engineering Efficiency & Cost Leadership:** Leading company-wide efforts to optimize infrastructure, traffic flows, and observability layers—realizing multimillion-dollar savings annually. Introduced system-wide efficiencies that enhanced both performance and financial stewardship.
- **Operational Excellence & Resiliency Engineering:** Embedded resiliency and automation across the delivery lifecycle through initiatives like fault simulations, config validation engines, and progressive deployments. Proactively improved system health, reduced incidents, and ensured readiness for seasonal peak loads.
- **Enterprise-Scale Identity Architecture:** Architected service and infrastructure strategies across 50+ distributed services, driving reusable design patterns and scalable constructs. Initiated infrastructure evolution to reduce operational complexity and improve platform agility.
- **Technical Influence & Cross-Functional Alignment:** Partnered across product, infrastructure, and platform teams to align engineering direction with business goals. Mentored teams, influenced best practices, and helped shape the engineering culture by sharing knowledge through presentations, strategy forums, and community initiatives.

- **Continuous Innovation & Future-Readiness:** Led forward-thinking initiatives that enable support for next-gen workloads including AI-driven systems. Designed foundational components with a focus on long-term resilience, scalability, and developer experience.

LinkedIn | Staff Software Engineer | Jul 2021 - Nov 2022

Ensuring **www.linkedin.com** remains reliable and delivers the best possible user experience every time you visit.

At LinkedIn I worked for Edge Engineering responsible for

- Overseeing **LinkedIn's Multi-CDN, Traffic infrastructure** and **Edge product suites/services** that powers linkedin.com for billions of user.
- Implementing **RUM-based traffic steering** to ensure optimal latency and availability for LinkedIn members accessing the platform.
- Collaborating and contribution's to **Azure Engineering** to enhance services like Azure Front Door (AFD), AFDx, Azure DNS, and Web Application Firewall (WAF).
- Driving the adoption of **Azure server-less technologies** across various LinkedIn services.
- Managing LinkedIn's traffic stack, handling both North-South and East-West communication between services.
- Contributing to [Azure Quick-start templates](#) using Bicep for Microsoft Azure users (available on official Microsoft learning website learn.microsoft.com).
- Presented [LinkedIn CDN Migration at #44 Large Scale Production Engineering India Meetup](#) (Sep 2022) [Talk starts at 57th minute].

Palo Alto Network | Principal Software Engineer | Feb 2021 - Jul 2021

As a Principal Engineer at Palo Alto Networks, I lead the design and implementation of cutting-edge cloud-delivered security solutions, focusing on the Wildfire product, which integrates machine learning into PAN NGFWs to prevent unknown file-based threats in real-time without productivity loss.

- Cloud Security Architecture: Spearhead the development of scalable, high-performance security systems in the Cloud-Delivered Security Services (CDSS) organization.
- Cloud Infrastructure Management: Utilize Google Cloud Platform (GCP) to manage cloud-native solutions, ensuring optimal performance and security.

Intuit | Staff Software Engineer | Jan 2016 - Feb 2021

- Spearheaded platform engineering initiatives to deliver resilient, cloud-native services at scale, with a strong focus on Kubernetes, automation, observability, and service excellence.
- **Automated infrastructure** and services using Python, Java, and Go, enhancing deployment efficiency and reducing operational overhead.
- Engineered, developed and maintained **Tier-0 services** (Traffic Stack) capable of handling **1Million+ TPS** and 15-20B daily transactions with sub-millisecond latency.
- Built and operated an in-house, high-scale **API Gateway and Service Mesh**, enabling fast, secure, and scalable North-South and East-West communication across thousands of services.
- Designed and deployed robust cloud infrastructure (AWS, Kubernetes), with full automation using Terraform, CloudFormation, and **open source contributions** to Troposphere.
- Led seamless cloud migrations between **AWS and private data centers**, optimizing both cost and performance for mission-critical applications.

- Delivered **automated CI/CD pipelines** using Argo CD, Jenkins, Chef, AWS Code Pipeline, and Rundeck, significantly reducing release cycle times.
- **Proactively improved system performance and reliability** using deep expertise in Linux diagnostics (e.g., vmstat, iostat, tcpdump) and resiliency engineering practices.
- Managed diverse infrastructure components including NoSQL databases (Couchbase, Cassandra), web/application servers (Karaf, Tomcat, Nginx, HTTPD), and implemented rigorous **capacity planning** and **auto-remediation** strategies.

Previous Experience:

- **Snapdeal.com** | **Sr Software Engineer** | **Jan 2015 - Jan 2016**
- **Amelia Inc** (for MasterCard, HUL, British Telecom) | **Application Engineer** | **Mar 2012 - Jan 2015**
- **NTT Data** | **Software Engineer** | **Aug 2011 - Dec 2011**

Education

- *M.Tech in Data Science and Technology* from BITS Pilani, India
- *B.Tech in Computer Science and Technology* from AKTU Lucknow, India