

Neeraj Sharma

**Senior Cloud and DevSecOps
Engineer | SRE, Cloud Security,
Observability, AI/MLOps, IoT**

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Web Page with Complete Resume

<https://github.com/neeraj-sharma-0/neeraj-sharma-0>

Staff / Principal-level platform engineer and architect with 25+ years of experience building and operating secure, large-scale cloud, distributed, and IoT platforms across enterprise and industrial environments. I focus on designing systems where architecture, reliability, security, and data-informed (AI-assisted) decision-making intersect to deliver durable, production-grade outcomes.

Core Skills

Cloud Architecture, DevSecOps, Site Reliability Engineering, Kubernetes, Docker, Observability, AIOps, SIEM, Incident Response, CI/CD, IoT, Secure Software Development

Professional Development

University of Texas at Austin - Apr 2025 – Present

- Applied AI and Data Science for Systems and Platform Decisioning
 - Post Graduate Program in Data Science and Business Analytics (Completed)
 - Post Graduate Certificate in Artificial Intelligence and Deep Learning (In Progress)
 - Generative AI for Business Applications (Planned, 2026)

Work Experience

IBM - San Jose, CA — Senior Backend Engineer (DevSecOps / SRE) | Apr 2021– Apr 2025

- Owned scalable backend services for cloud-native platforms supporting telemetry-driven monitoring and automated remediation.
- Improved system quality through CI/CD pipelines, Kubernetes-based deployments and observability using Prometheus and Grafana.
- Built and maintained over 200 Python and Ansible automation tests, accelerating releases and improving platform reliability.

Exabeam - San Mateo, CA - Senior Software Quality Engineer | Aug 2019– Mar 2021

- Led quality engineering for security analytics platforms processing high-volume event and behavioral data.
- Developed automation frameworks validating data pipelines, scoring logic, and detection workflows at scale.
- Strengthened release confidence for data-driven threat detection systems.

Oracle (OCI) - San Jose, CA - Principal Software Engineer | May 2018– Jul 2019

- Architected multi-tenant leaf-spine networks across 20+ global data centers. Delivered Python and Java microservices enabling accelerated regional cloud expansion.

Light - Redwood City, CA - Senior Software Quality Engineer | Jun 2017 – Apr 2018

- Designed, implemented, and maintained automated test framework while collaborating cross-functionally and using Android, ADB, and Python to improve performance and reliability of the L16 Camera.

Silver Spring Networks - Redwood City, CA - Senior SDET - Nov 2012 – May 2017

- Validated large-scale IoT platforms supporting smart grid deployments across millions of field devices.
- Built CI-driven automation for firmware, APIs, and cloud services.
- Supported production rollout of over 23 million smart devices with high availability and data integrity requirements.. /

Redwood Systems - Fremont, CA - Senior SDET - Jan 2011 – Oct 2012

- Led system integration and automation for sensor-driven smart lighting platforms used in green building environments.

CDNetworks Senior - San Jose, CA - QA Manager Aug 2009 – Dec 2010

- Owned global QA strategy for distributed CDN infrastructure, validating performance, reliability, and data flow at scale.

Education

Masters in Computer Management (1993-1995) | Bachelors in Computer Science University of Pune, India