

# NEERAJ SHARMA

Senior Cloud and DevSecOps Engineer | Site Reliability Engineer (SRE) Cloud Security, Observability, AIOps, MLOps, Cybersecurity

Location: Milpitas, CA

Work Authorization: US Citizen

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

- UT Austin / PGDSBA ePortfolio:  
– <https://www.mygreatlearning.com/eportfolio/neeraj-sharma11>

## PROFESSIONAL SUMMARY

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 Platforms: - IBM Cloud - Google Cloud Platform (GCP) - Oracle Cloud Infrastructure (OCI)

Containers and Orchestration: - Kubernetes - Kubeflow - Helm

CI/CD and Infrastructure as Code: - CI/CD Pipelines - GitHub Actions - Jenkins - Infrastructure as Code (IaC) - Ansible Automation

Security and Compliance: - SIEM (Exabeam, QRadar) - SOAR - Identity and Access Management (IAM) - Zero Trust Architecture - Threat Modeling - Vulnerability Management

Observability and AIOps: - Prometheus - Grafana - OpenTelemetry - Log Analytics - Root Cause Analysis (RCA)

## PROFESSIONAL DEVELOPMENT

Post Graduate Certification in Data Science and AI for Business Applications  
University of Texas at Austin, McCombs School of Business

This program was completed to strengthen AI-informed system design and operational decision-making across cloud, security, and IoT environments.

Focus Areas: - Applied AI and Data Science for Systems and Platform Decisioning - Post Graduate Program in Data Science and Business Analytics (Com-

pleted) - Post Graduate Certificate in Artificial Intelligence and Deep Learning  
(In Progress) - Generative AI for Business Applications (Planned, 2026)

## WORK EXPERIENCE

IBM Senior Backend Engineer (DevSecOps and Site Reliability Engineering)  
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 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 Principal Software Engineer May 2018 – Jul 2019

- Directed architecture and deployment of multi-tenant leaf-spine networks across more than 20 global data centers.
- Delivered Python and Java microservices supporting policy-driven orchestration and automated provisioning.
- Enabled faster regional expansion through scalable, software-defined infrastructure.

Light Senior Software QA Engineer Jun 2017 – Apr 2018

- Built automated test frameworks for embedded camera firmware and Android-based imaging platforms.
- Executed system integration testing across hardware, firmware, and mobile software.
- Improved performance and stability using Android, ADB, and Python automation.

Silver Spring Networks Senior Software Development Engineer in Test (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 Senior Software Development Engineer in Test (SDET) Jan 2011 – Oct 2012

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

CDNetworks Senior QA Manager Aug 2009 – Dec 2010

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

Vusion Senior QA Manager Apr 2007 – Jul 2009

- Led QA delivery for cloud-hosted high-definition video streaming platforms serving enterprise media customers.

HP Senior Software Engineer Aug 2006 – Mar 2007

- Validated enterprise application lifecycle management platforms supporting standards-compliant database migration and archival workflows.

Motorola PCS Senior Software Engineer May 2003 – Jul 2006

- Delivered end-to-end testing and automation for J2ME and Linux mobile platforms using Six Sigma quality practices.

Brocade Communications Systems Senior QA Lead Apr 2002 – Apr 2003

- Led functional and performance testing for storage area network and enterprise networking platforms.

Xoriant Senior Technical Consultant Jun 1998 – Mar 2002

- Delivered software development, quality assurance, and optical networking (DWDM) solutions for enterprise clients.

DSS Infotech Pvt. Ltd. Senior IT Analyst Feb 1995 – May 1998

- Designed and delivered enterprise database architectures for industrial clients.

## EDUCATION

Master of Computer Management (MCM) Savitribai Phule Pune University, Pune, India 1993 – 1995

## CERTIFICATIONS

Certification: LFS147x – Introduction to AI and Machine Learning Toolkits with Kubeflow Issuing Organization: Linux Foundation Credential Platform: edX Credential URL: <https://courses.edx.org/certificates/ba3787da5b414a11986daaf945af7468>

Credly: [https://www.credly.com/users/neeraj\\_sharma](https://www.credly.com/users/neeraj_sharma)