

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: - Tekton Pipelines - Jenkins - GitHub Actions - Ansible Automation - Terraform

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