

NEERAJ SHARMA

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

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PROFESSIONAL SUMMARY

Senior Cloud, DevSecOps, and Site Reliability Engineer with over 20 years of experience designing, securing, and operating enterprise-scale distributed systems across cloud, security, observability, and data-driven platforms.

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

Focus Areas:

- Applied AI and Data Science for Systems and Platform Decisioning
- Deep Learning for Enterprise Applications
- Generative AI for Business Applications (Planned, 2026)

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

WORK EXPERIENCE

IBM Senior Backend Engineer (DevSecOps and Site Reliability Engineering)
April 2021 – April 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 August 2019 – March 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 – July 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 June 2017 – April 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)
November 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) January 2011 – October 2012

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

CDNetworks Senior QA Manager August 2009 – December 2010

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

Vusion Senior QA Manager April 2007 – July 2009

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

HP Senior Software Engineer August 2006 – March 2007

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

Motorola PCS Senior Software Engineer May 2003 – July 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 April 2002 – April 2003

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

Xoriant Senior Technical Consultant June 1998 – March 2002

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

DSS Infotech Pvt. Ltd. Senior IT Analyst February 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>

Credential Repository: Credly Profile URL: https://www.credly.com/users/neeraj_sharma