

NARENDRA PRATAP SINGH

Senior Cloud Infrastructure Engineer | Site Reliability Engineer (SRE) | Platform Engineer | AWS Cloud Engineer

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Open to Relocate, On-Site, Remote, Hybrid, Travel | [LinkedIn](#) | [GitHub Profile](#) | [Portfolio](#)

SUMMARY

Experienced Senior Cloud Infrastructure Engineer and Site Reliability Engineer with 14+ years in IT and 5+ years focused on AWS/SRE. Skilled in AWS, Terraform, Kubernetes, observability, and automation, and open to relocation to Europe or UAE while available for remote work from India.

TECHNICAL SKILLS

Cloud Platforms AWS, Azure, GCP

Infrastructure as Code (IaC) Terraform, CloudFormation

Containers & Orchestration Kubernetes, EKS, Docker

Observability & Monitoring Prometheus, Grafana, CloudWatch

Automation & Scripting Python, Bash, PowerShell, AWS Systems Manager

CI/CD & Collaboration GitHub Actions, GitLab CI, Jenkins, Git, Jira, Confluence

Networking & Identity VPC, Route 53, DNS, IAM, Load balancing

Cloud Operations & Reliability Site Reliability Engineering (SRE), Incident management, High availability & failover, Linux administration

Security & Backup Cloud security, Compliance, Backup & recovery, Disaster Recovery (DR)

Interests AWS Cloud & platform engineering, DevOps, CI/CD, and infrastructure automation, Terraform, Kubernetes, and Docker, Site Reliability Engineering (SRE) practices, Generative AI for automation and productivity

Languages English — Professional, German — Beginner, Hindi — Native

WORK EXPERIENCE

Lead Digital Platform Engineer / Cloud Site Reliability Engineer

Mar '25 — Present

[NEWFOLD DIGITAL \(via Agivant Technologies\)](#)

Pune, India

- Faced inconsistent platform operations for customer-facing services; standardized identity, maintenance windows, and backups to improve consistency and reliability.
- Responded to production incidents and performed root-cause analysis; collaborated with cross-functional teams to restore services and document runbooks to reduce recurrence.
- Automated patching, backups, and runbooks across environments to reduce manual operational toil and standardize maintenance procedures.
- Technology environment: Linux, VPS/EC2, CloudWatch, Prometheus, Elasticsearch, Python/Bash.

Senior Consultant – AWS Cloud Infrastructure Engineer

Jun '21 — Jan '24

[The Hackett Group](#)

Hyderabad, India

- Needed scalable SAP network connectivity; designed and deployed VPCs, Transit Gateway, and VPNs to enable multi-region architecture meeting SAP best practices.
- Addressed security and auditability gaps by implementing IAM, GuardDuty, Security Hub, CloudTrail and DR patterns (S3, Glacier) to strengthen controls and recovery posture.
- Automated provisioning and operations with CloudFormation, Systems Manager, and CloudWatch to reduce manual toil and improve platform reliability.
- Technology environment: AWS, IAM, VPC, Subnets, NAT Gateway, Transit Gateway, Route 53, Security Groups, NACLs, CloudWatch, VPC Flow Logs, Security Hub, GuardDuty, Inspector, CloudTrail, AWS Config, S3, Glacier, EC2, CloudFormation, Systems Manager, Linux, Python/Bash.

Senior Consultant – Cloud & Automation Engineer

Apr '19 — Dec '19

[Vodafone shared Service \(via Quess Corp Limited\)](#)

Pune, India

- Standardized access management by configuring IAM users, roles, policies and Systems Manager Session Manager to simplify administration across accounts.
- Conducted governance reviews and remediated access incidents; updated operational runbooks to harden IAM governance and incident handling.
- Automated validation and device staging for SD-WAN and hybrid-cloud deployments using Python and Contrail Service Orchestration to increase deployment consistency.
- Collaborated with engineering, support, and field teams via Git, Jira, ALM, and JTAC to triage and close issues and improve release quality.
- Technology environment: AWS, IAM, SSM, CloudWatch, Python, CSO, Juniper NFX-250, Git, Jira, ALM, JTAC, Linux.

Senior Consultant – Cloud Backup & Automation Engineer

Feb '17 — Mar '18

[Veritas Technology \(Data Matics Global Services Ltd.\)](#)

Pune, India

- Deployed Veritas NetBackup integrated with AWS S3 and automated recovery verification to validate recoverability and improve disaster-recovery confidence.
- Managed scheduled recovery tests and updated runbooks on a regular cadence to maintain DR readiness and ensure consistent procedures.
- Implemented monitoring and reporting for backup health and failures to increase visibility and accelerate stakeholder reporting.
- Technology environment: Veritas NetBackup, AWS (S3), Linux, IAM, Python.

Senior QA Engineer

May '15 — Sep '16

Cisco Systems India (via Span Idea Services Pvt. Ltd.)

Bangalore, India

- Led functional and regression testing for UCS SCOM plug-in releases to confirm release stability and improve test repeatability.
- Developed and executed regression suites and maintained VMware test environments to increase coverage and reduce manual testing effort.
- Managed test results and communicated issues to engineering teams to support informed release decisions and smoother deployments.
- Technology environment: VMware, Linux, Jira, test automation frameworks.

Test Lead Datacom

Jun '13 — Apr '15

Ericsson India Pvt. Ltd (via GI Staffing Services)

Bangalore, India

- Performed root-cause analysis for HA and failover scenarios across routing, application, and database layers to inform release decisions and improve production stability.
- Executed failover tests and refined recovery procedures with formalized steps to increase resilience and clarify recovery instructions for operations.
- Documented test findings and recommendations to provide traceable evidence supporting production readiness and release planning.
- Technology environment: Routing platforms, Linux, Oracle DB, monitoring tools.

Software Engineer

Oct '12 — Feb '13

AMD India Pvt. Ltd. (via Magna InfoTech Pvt. Ltd.)

Bangalore, India

- Executed smoke and regression tests across OS and hardware to verify component functionality for release.
- Reported defects and collaborated with engineering during validation cycles to improve release readiness and reduce validation delays.
- Maintained test documentation and environments to ensure reproducible validation across releases.
- Technology environment: Linux, GPU tools, test frameworks.

Software Engineer

Sep '11 — Aug '12

Juniper Networks Pvt. Ltd. (via Paxterra Solutions Pvt. Ltd.)

Bangalore, India

- Developed protocol test automation for OSPF/BGP/MPLS features to validate interoperability and increase test coverage.
- Integrated automated tests into regression cycles and executed suites to improve repeatability of release testing.
- Coordinated cross-functional testing with product and engineering teams to resolve issues and support higher-quality releases.
- Technology environment: Routing test frameworks, Linux, Jira.

Member Technical Staff

Apr '11 — Sep '11

HCL Technologies Ltd.

Chennai, India

- Created Python test suites and used Spirent Test Centre to automate network protocol tests for release validation, improving consistency and reducing manual verification effort.
- Executed tests, analyzed results, and reported defects to engineering teams to clarify defect impact and reduce manual effort during validation cycles.
- Maintained test procedures and frameworks to support repeatable validation and faster onboarding of new testers.
- Technology environment: Spirent Test Centre, Linux, Python, test frameworks.

Telecom Testing Trainer

Feb '10 — Mar '11

Arcus InfoTech Pvt. Ltd.

Bangalore, India

- Delivered telecom training on GSM, routing, and TCP/IP fundamentals through classroom and lab sessions; developed labs and assessments to improve learners' troubleshooting competence.
- Created practical labs and guided learners through protocol analysis and test planning to reinforce applied understanding.
- Coached learners on troubleshooting and test planning, providing feedback and evaluations to increase troubleshooting accuracy.
- Technology environment: GSM fundamentals, TCP/IP, routing.

BTS Engineer

Dec '08 — Jan '10

Nokia Siemens Networks (via NR Switch N Radio Services Pvt. Ltd.)

Bangalore, India

- Deployed and commissioned GSM BTS sites and performed alarm verification and transmission troubleshooting to validate readiness for operations.

- Isolated commissioning transmission faults and coordinated with field teams to resolve defects and enable timely service activation.
- Produced handover documentation and verified site readiness to ensure a smooth transition to operations.
- Technology environment: BTS commissioning, transmission troubleshooting, telecom tools.

System Engineer

Dec '07 — Dec '08

Ericsson India Pvt. Ltd. (via Quasar Innovation Pvt. Ltd.)

Bangalore, India

- Monitored GSM network health and performed fault isolation and incident coordination with field teams to restore service and maintain network availability.
- Coordinated incident response and escalation with cross-functional teams to reduce the impact of production incidents.
- Recorded root-cause analysis and recommendations to inform operational improvements and reduce recurrence of similar faults.
- Technology environment: Network monitoring, incident response, telecom tools.

EDUCATION & TRAINING

Bachelor of Technology (B.Tech) in Electronics and Communication Engineering, Bharath

May '07

University

Chennai, Tamil Nadu

- Bachelor of Technology (B.Tech), Bharath University, 2007, Chennai.

Diploma (Polytechnic) in Electronics and Communications Engineering, Ananda Marga Polytechnic

Nov '03

Kolar, Karnataka

- Diploma (Polytechnic), Ananda Marga Polytechnic, 2003, Kolar.

CERTIFICATIONS & LICENSES

AWS Certified Developer Associate, Amazon Web Services (AWS)

Jan '24

AWS Certified Solutions Architect Associate, Amazon Web Services (AWS)

Jan '20

PROJECTS

Open-source Kubernetes / EKS modules [Link](#)

- Created reusable Terraform modules and CI/CD to provision EKS clusters and enforce RBAC/IAM.
- Delivered repeatable, production-ready cluster provisioning with observability integration.

Cloud Infrastructure Operations & Platform Reliability [Link](#)

- Operated Linux hosting platforms with automated runbooks, monitoring, and incident playbooks to manage incidents.
- Improved production resilience and incident response through automation and standardized playbooks.

AWS Infrastructure Security & Automation [Link](#)

- Implemented IAM, auditing, and network controls using reusable Terraform modules to automate secure provisioning.
- Delivered automated, governance-aligned infrastructure provisioning to strengthen production security.

Kubernetes deployments and observability [Link](#)

- Automated EKS cluster and application deployments and integrated observability tools for monitoring.
- Delivered more reliable deployments and improved production visibility through integrated monitoring.

ACTIVITIES

- Ongoing learner in cloud/platform engineering; hands-on with Terraform and Kubernetes and exploring generative AI for automation.