

## Mohamed Nabeem P

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### PROFESSIONAL SUMMARY

**Site Reliability Engineer (SRE) | AWS Solutions Architect Professional** with 4+ years of experience driving **scalable, secure, and highly available cloud platforms**. Expertise in managing hybrid Kubernetes clusters, automating CI/CD with GitHub Actions and ArgoCD, and implementing DevSecOps practices for faster, safer releases. Proven ability to optimize reliability, reduce costs, and improve system resilience through modern SRE principles.

### TECHNICAL SKILLS

**Languages, Clouds and Databases** : Python, Bash, Groovy, AWS, Azure, NoSQL, SQL

**DevSecOps** : Snyk, Sonarqube, Whitesource, Trivy, Checkov, Terrascan, OWASP ZAP, Falco

**CI/CD and IaC** : Jenkins, Github Actions, GitLab, ArgoCD, CloudFormation, Terraform, CrossPlane

**Tools** : Kubernetes, Git, Docker, Ansible, Nginx, Grafana, Kibana, EKS, Karpeneter, Helm, KOps, New Relic, DataDog

**Logging and Monitoring** : Prometheus, Thanos, Splunk, ElasticSearch, FluentBit, VictoriaMetrics, Loki, Promtail

**Others** : Linux, Flask, FastAPI, Vault, OpenTelemetry, Jaegar, GenAI, RAG

### EXPERIENCE

**Site Reliability Engineer II** | Vonage, Part of Ericsson | Bangalore, KA

August 2021 – Present

- Managed and maintained 8 Kubernetes clusters across hybrid environments (self-hosted and Amazon EKS), supporting **100+ microservices** with **99.9% uptime SLA**.
- Resolved **15+** critical production incidents—including Prometheus outages, disk pressure, and CPU/memory bottlenecks—reducing MTTR by **30%** through hands-on fixes, improved alerting, and Grafana-powered RCA dashboards.
- Led migration from self-hosted Kubernetes (KOps-managed) to Amazon EKS, leveraging ArgoCD and Helm for infrastructure deployment and release automation, reducing operational overhead by **40%** and enhancing scalability.
- Designed and implemented 10+ CI pipelines in GitHub Actions with DevSecOps scanning (Snyk/Trivy/Checkov), increasing deployment compliance and reducing vulnerabilities by **60%**
- Optimized scaling by replacing Cluster Autoscaler with Karpenter, achieving **25% faster pod scheduling** and **15% cost savings** through better bin-packing and resource utilization.
- Automated Kubernetes deployments using ArgoCD, enabling zero-downtime rollouts and versioned releases. Reduced release cycle time by **40%** and improved rollback speed in failure scenarios.

**DevOps Engineer** | DataGrokr Analytics Private Limited | Bangalore, KA

June 2022 – June 2025

- Engineered and automated AWS security and governance systems using Python-based Config rules across commercial and GovCloud environments, improving compliance posture and reducing security violations by **80%**.
- Orchestrated deployment of infrastructure and compliance policies across **340+ AWS accounts** using CloudFormation and Jenkins-based CI/CD pipelines, reducing manual provisioning effort by **95%**.
- Designed and deployed a scalable Jenkins architecture on AWS ECS Fargate; reduced infrastructure costs by **35%**, eliminated build queue bottlenecks, and improved deployment time by **45%**.
- Built custom monitoring systems for Lambda and StackSets, enabling faster issue detection and resolution, improving operational reliability by **90%**.
- Developed Python (Boto3) and Bash automation scripts for DynamoDB, deployments, and cloud operations; reduced manual work and streamlined infrastructure tasks.
- Deployed GenAI-powered applications on AWS infrastructure, integrating with API Gateway and leveraging external APIs such as Gemini and OpenAI to deliver scalable, low-latency inference capabilities.

**Assistant System Engineer** | Tata Consultancy Services | Chennai, TN

January 2021 – June 2022

- Monitored and maintained 24x7 production systems, resolving real-time issues to ensure high availability and service continuity.
- Built real-time operational dashboards in Splunk to visualize application logs and infrastructure health, improving team response time and boosting operational efficiency by **30%**.
- Deployed Nginx-based reverse proxy and load balancing to optimize web traffic distribution, improving application scalability and availability by **70%** under peak load conditions.

### EDUCATION

Saranathan College of Engineering

**BE in Computer Science and Engineering** | Trichy, TN

June 2016 – May 2020

### AWARDS AND CERTIFICATIONS

**Rocket Recruit Award** | DataGrokr Analytics Private Limited

February 2023

**Grokstar Award** | DataGrokr Analytics Private Limited

June 2024

**AWS Solutions Architect Pro (SAP-C02)** | AWS

September 2023

**AWS Developer Associate (DVA-C01)** | AWS

February 2023

**Hashicorp Terraform Associate (003)** | Hashicorp

April 2024

**Microsoft Azure Administrator (AZ-104)** | Microsoft

March 2024

**Microsoft : Security, Compliance, and Identity Fundamentals (SC-900)** | Microsoft

October 2022

**Microsoft Technology Associate: Database Fundamentals** | Microsoft

January 2019

**INFYTQ** | Infosys

July 2019