# Sunita Rao

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## Professional Profile

Seasoned DevOps & Cloud Infrastructure Engineer with 15+ years of experience in automating software delivery, managing multi-cloud environments (AWS, Azure, GCP), and scaling infrastructure for enterprise-grade distributed applications. Proven track record in designing CI/CD pipelines, container orchestration, infrastructure as code (IaC), and system security compliance.

## Employment Details

### CloudMatrix Systems Pvt Ltd

Lead DevOps Architect | May 2016 – Present (8+ yrs)  
Bangalore, India

- Oversaw a team of 6 engineers to build secure, highly available CI/CD pipelines across AWS and Azure.  
- Built scalable multi-region Kubernetes clusters using Terraform and Helm charts.  
- Implemented zero-downtime deployment strategies and canary rollouts.  
- Designed cloud governance model and cost optimization strategies across cloud accounts.

Key Projects:

1. Cloud-Native SaaS Platform on AWS  
 - Migrated monolith to microservices on EKS using GitOps principles with ArgoCD.  
 - Introduced distributed tracing with OpenTelemetry.  
 - Result: Improved deployment speed by 60% and observability by 80%.  
2. Enterprise CI/CD Pipeline for Banking Client  
 - Created Jenkins + GitHub Actions workflow with security scanning and policy checks.  
 - Integrated with HashiCorp Vault for secret management and RBAC.  
 - Reduced production issues by 35%.  
3. Cross-Cloud Backup and DR Automation  
 - Built automated DR solution across AWS & Azure using Lambda, Azure Functions, and Event Grid.  
 - Created compliance reporting dashboards using ELK + Grafana.  
 - Achieved 99.99% recovery readiness with automated audit trails.

### NetSecure Solutions Pvt Ltd

Senior System Engineer | Mar 2010 – Apr 2016 (6+ yrs)  
Hyderabad, India

- Managed hybrid cloud + on-premise data center infrastructure for enterprise clients.  
- Automated provisioning using Ansible and Puppet.  
- Maintained 200+ production servers and enforced CIS benchmarks.

Key Projects:

1. Data Center Automation for E-Gov Platform  
 - Deployed Ansible playbooks to standardize environment setup.  
 - Reduced provisioning time from 2 days to under 1 hour.  
2. Custom Monitoring System using Python + Prometheus  
 - Created service health dashboards and alerts for legacy apps.  
 - Decreased unplanned downtime by 45%.  
3. Dev-Test Infrastructure on Azure for Telecom Client  
 - Spun up isolated environments using ARM templates.  
 - Integrated with Active Directory and automated user onboarding.  
4. Migration from SVN to Git & CI/CD Adoption  
 - Migrated 50+ repos from SVN to Git with detailed branch strategy.  
 - Enabled CI using Jenkins pipelines with testing hooks.

## Education

B.Tech in Computer Science Engineering  
Visvesvaraya Technological University (VTU), Karnataka  
2006 – 2010

## Certifications

- AWS Certified DevOps Engineer – Professional  
- CKA – Certified Kubernetes Administrator  
- HashiCorp Terraform Associate

## Key Skills

Cloud Platforms: AWS, Azure, GCP  
CI/CD Tools: Jenkins, GitHub Actions, GitLab, ArgoCD  
Containers & Orchestration: Docker, Kubernetes, Helm  
IaC: Terraform, Pulumi, CloudFormation  
Monitoring & Logging: Prometheus, Grafana, ELK, Datadog  
Scripting: Bash, Python, Go  
Security: Vault, IAM, CIS Benchmarks

## Achievements

- 🏆 Recognized as “Infrastructure Innovator of the Year” at CloudMatrix 2021  
- 🎤 Speaker at Kubernetes Community Days India 2022  
- 🚀 Reduced release cycles from biweekly to daily for two large clients  
- 🛡️ Designed secure infrastructure architecture for a healthcare SaaS product, meeting HIPAA compliance