

Srikar Mandava Cloud & DevOps Engineer

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SUMMARY

Cloud & DevOps Engineer with 6+ years of experience architecting, deploying, and managing multi-cloud infrastructure across AWS and Azure. Proven track record in reducing deployment time, improving system uptime, and automating complex CI/CD pipelines using Jenkins, GitLab, GitHub Actions, Terraform, and Ansible. Skilled in containerization (Docker/Kubernetes), microservices architecture, monitoring, and DevSecOps, delivering high-availability, scalable, and secure enterprise solutions. Adept at driving IaC best practices, cloud-native automation, and operational efficiency, with strong expertise in Python, Bash, and Java for workflow optimization and compliance in financial and enterprise environments.

SKILLS

Cloud Platforms & Services: AWS (EC2, S3, IAM, ECS, EKS, Lambda, CloudFormation, CloudWatch, Route 53, VPC, Auto Scaling, RDS), Azure (AKS, Functions, DevOps, Logic Apps, ARM Templates, Azure Monitor, Event Grid, Service Bus, Azure Storage), Multi-cloud architecture design, migration, and optimization

CI/CD & DevOps Tools: Jenkins, GitLab CI, GitHub Actions, Ansible, Terraform, CloudFormation, ARM Templates, Docker, Kubernetes (EKS/AKS), Helm, ArgoCD, Blue-Green & Canary Deployments, Release Management

Programming & Scripting: Python, Bash, PowerShell, Java, Automation, Deployment Validation, Log Parsing, Workflow Optimization

Monitoring, Observability & Incident Management: Datadog, ELK Stack, Prometheus, Grafana, Azure Monitor, CloudWatch, Splunk, AppDynamics, Nagios, Centralized Logging, Alerting, Dashboards, MTTR Reduction

Security & Compliance (DevSecOps): IAM Policies, Role-Based Access Control, Automated Vulnerability Scanning, Compliance Automation, Secure IaC Practices, Incident Response Planning, Risk Mitigation

Architecture & Systems Optimization: Microservices Architecture, Containerized Applications, Event-Driven Architectures, Autoscaling, Load Balancing, High Availability, Resilience, Performance Tuning, Cloud Migration Strategy, Cost Optimization

Collaboration & Tools: Git, GitHub, GitLab, Jira, Confluence, Agile/Scrum Environments, Runbook Automation, Cross-Functional Team Collaboration, DevOps Culture Champion

EXPERIENCE

Cloud & DevOps Engineer | Rackspace Technology | USA

Jan 2024 – Present

- Orchestrate scalable CI/CD pipelines using Jenkins and GitLab for cloud-native financial applications, reducing deployment time by 45% and accelerating release cycles with zero downtime.
- Automate and provision AWS (EC2, S3, IAM) and Azure (AKS, Functions, Logic Apps) infrastructure using Terraform, Ansible, and Azure DevOps, delivering repeatable environments across 15+ projects, improving reliability by 60%, and reducing costs by 20%.
- Deploy and manage containerized microservices with Docker and Kubernetes (EKS/AKS), implementing autoscaling architectures to improve system uptime to 99.9% and reduce downtime by 35%.
- Implement monitoring, observability, and DevSecOps practices using Datadog, ELK Stack, Azure Monitor, IAM policies, and automated vulnerability scans, improving incident response by 40% and reducing security risks by 30%.
- Develop Python and Bash automation scripts for workflow optimization, log parsing, and compliance auditing, saving 10+ operational hours per week while enhancing regulatory adherence for critical financial applications.
- Collaborate with cross-functional teams to design cloud-native architectures, optimize resource utilization, and enforce best practices for security, performance, and cost efficiency across multi-cloud environments.
- Lead cloud migration initiatives and infrastructure upgrades, improving system scalability, resilience, and reducing operational costs by 15% across production workloads.

Cloud & DevOps Engineer | Infosys | India

Mar 2020 – Jun 2022

- Engineered multi-account AWS and Azure infrastructure using Terraform, Ansible, CloudFormation, ARM Templates, and Python, improving deployment consistency and eliminating 40% of environment-related issues.
- Streamlined CI/CD pipelines with Jenkins, GitHub Actions, Git, and Ansible, automating build and deployment workflows, accelerating release cycles, and ensuring zero-downtime deployments.
- Optimized system efficiency by 20% by developing Java microservices for internal transaction processing and Python automation scripts for log parsing and deployment validation, supporting resilient multi-cloud operations.
- Orchestrated containerized applications on Kubernetes (EKS/AKS) and Docker, implementing rolling deployments, autoscaling, and load balancing, maintaining 99.9%+ production uptime and improving system performance.
- Strengthened monitoring, observability, and DevSecOps practices across AWS and Azure environments by implementing CloudWatch, Azure Monitor and Nagios.
- Reducing security risks by 30%, streamlined incident detection and response workflows, and cut Mean Time to Recovery (MTTR) by 30%, significantly improving overall system reliability and operational efficiency.
- Accelerated Azure cloud adoption and enhanced system resilience by designing, deploying, and managing workloads on AKS, Azure Functions, and Azure DevOps, implementing intelligent autoscaling, proactive service health monitoring, and event-driven architectures, optimizing performance, improving uptime, and reducing infrastructure costs across mission-critical applications.

DevOps Engineer | HCLTech | India

- Designed, implemented, and maintained CI/CD pipelines using GitLab CI and Jenkins, improving deployment reliability and reducing manual release effort by 40% across development and QA environments.
- Provisioned and automated AWS infrastructure using Terraform, Ansible, CloudFormation, and Python scripts, ensuring consistent, repeatable deployments and minimizing configuration drift.
- Containerized and deployed Java (Spring Boot) and Python applications using Docker on Kubernetes and Amazon ECS, improving application portability, release consistency, and scalability across environments.
- Implemented centralized monitoring and logging using AWS CloudWatch, ELK Stack, and Nagios, increasing system visibility and reducing incident detection time by 30%.
- Automated infrastructure and operational workflows using Bash and Python scripting, streamlining routine maintenance tasks and improving overall platform reliability.
- Collaborated with cross-functional engineering teams and senior DevOps engineers to troubleshoot deployments, support production incidents, and maintain operational documentation and runbooks, strengthening operational readiness.

Jan 2018 - Feb 2020

EDUCATION

Masters of Science in Technology Management

Lindsey Wilson University

Aug 2022 - Apr 2024
Columbia, KY

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate ([Link](#))
- Microsoft Certified: Azure Administrator ([Link](#))
- Certified Kubernetes Administrator (CKA) ([Link](#))