SAMPATH M

DevOps and Site Reliability Engineer • Lewisville, TX • 945-370-9092 • sampathmodhugu@gmail.com • LinkedIn • GitHub

SUMMARY

DevOps and Site Reliability Engineer with hands-on experience owning cloud infrastructure, CI/CD pipelines, automation, and reliability for production systems. Proven track record of improving deployment velocity, reducing incidents, and optimizing cloud operations through Infrastructure as Code, containerization, and observability. Strong background across AWS, Azure, Kubernetes, Terraform, CI/CD, and Linux systems, with a metrics-driven approach to reliability, performance, and cost efficiency. Experienced working across global teams in Agile environments and driving operational excellence end-to-end.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, EKS, ECR, IAM, S3, CloudWatch, VPC), Azure (VMs, AKS, Azure DevOps), GCP
Infrastructure as Code: Terraform (HCL), modular IaC design, environment provisioning, state management
Containers & Orchestration: Docker, Kubernetes, Helm, container lifecycle management, rolling deployments
CI/CD & Automation: GitHub Actions, Jenkins, Buildkite, Azure DevOps, pipeline optimization, build automation
SRE & Observability: Prometheus, Grafana, monitoring and alerting, MTTR reduction, incident analysis, SLIs/SLOs
Operating Systems & Systems: Linux (Ubuntu, RHEL), shell scripting, process management, system troubleshooting
Programming & Scripting: Python, Bash, YAML, JSON
Security & DevSecOps: IAM, secrets management, RBAC, secure CI/CD pipelines, vulnerability awareness
Networking: TCP/IP, DNS, load balancing, service connectivity, cloud networking concepts
Databases & Data: SQL, relational databases, data validation, query optimization
Tools & Platforms: Git, GitHub, Linux CLI, Docker CLI, Kubernetes tooling, debugging and profiling tools
Methodologies: Agile/Scrum, SDLC, incident response, post-mortems, cross-team collaboration

PROFESSIONAL EXPERIENCE

DevOps / Site Reliability Engineer, Likewize – Application Systems | Jan 2025 – Dec 2025

- Owned end-to-end CI/CD pipelines for multiple backend services, improving deployment frequency by ~40% and reducing manual release effort by ~45%.
- Designed and supported cloud infrastructure across AWS and Azure, improving environment stability and reducing configuration drift incidents by ~30%.
- Automated build, test, and deployment workflows using Jenkins, GitHub Actions, and Buildkite, saving ~800+ engineering hours annually.
- Deployed & managed containerized workloads using Docker & Kubernetes, improving service reliability & rollout consistency.
- Implemented monitoring and alerting improvements, contributing to ~35% reduction in incident resolution time (MTTR).
- Collaborated with devs, QA, and security teams to enforce CI/CD best practices & improve release quality across environments.

Software Engineer – Backend & Cloud Systems, Socrates | Nov 2023 – Jan 2025

- Supported cloud-native backend services running in production, ensuring high availability and operational stability.
- Built and maintained CI/CD pipelines using Jenkins, and Azure DevOps, improving deployment success rate by ~25%.
- Assisted with Kubernetes-based deployments and container orchestration, improving scalability and service isolation.
- Identified automation opportunities in deployment and operational workflows, reducing repetitive manual tasks by ~50%.
- Participated in incident debugging, log analysis, and performance tuning, reducing recurring production issues by ~20%.

Junior Software Engineer – Application Operations & Backend Support, Genpact | Nov 2020 – Dec 2021

- Supported production server-side applications and infrastructure in Linux environments.
- Worked closely with operations teams to triage incidents, analyze logs, and restore services, reducing downtime by ~30%.
- Assisted with deployment coordination, configuration changes, and release validation, lowering post-release defects by ~25%.
- Supported SQL-based data validation and reporting workflows for enterprise systems.
- Contributed to operational documentation and runbooks to improve team response efficiency.

Software Engineering Intern — Robogyaan, Sep 2017 – Oct 2020

PROJECTS

CI/CD Automation & Pipeline Optimization

- Designed CI/CD pipelines using Jenkins, GitHub Actions, and Buildkite to automate build, test, and deployment workflows.
- Reduced deployment failures by ~30% and improved release turnaround time by ~40%.

Cloud Infrastructure & Kubernetes Deployments

- Provisioned and managed cloud infrastructure using Terraform and Kubernetes.
- Improved environment consistency and reduced manual provisioning errors by ~60%.

Observability & Reliability Improvements

- Worked with monitoring dashboards and alerts to detect failures earlier and reduce MTTR.
- Supported incident analysis and post-mortems to improve long-term reliability.

Automation & Scripting

- Built Python and Bash scripts to automate operational tasks and data validation workflows.
- Saved hundreds of hours annually by eliminating repetitive manual processes.

EDUCATION

Master of Science – Cyber Security Management (Anderson University, Graduation expected: JAN 2027)
Master of Science – Cyber Security (University of Hertfordshire)
B.Tech Electronics & Communication Engineering (JNTUH, India)