

G. R. LOKESH

Senior DevSecOps & Cloud Engineer | AWS/Azure | Kubernetes | Terraform | GitOps | Cloud Security

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PROFESSIONAL SUMMARY

Senior DevSecOps & Cloud Engineer with **5+ years** of experience designing, automating, and securing **production-grade**, multi-tenant cloud platforms across AWS and Azure. Specialized in **Amazon EKS, Kubernetes, Terraform IaC, GitOps** with **Argo CD**, and **shift-left security** across SAST, DAST, SCA, and SBOM. Proven track record of accelerating **release velocity by 45%**, reducing **provisioning time by 80%**, cutting **infrastructure costs by 30%**, and maintaining **99.9% production availability**.

TECHNICAL SKILLS

Cloud Platforms: AWS (EKS, EC2, S3, VPC, IAM, ALB, CloudWatch, Lambda, DynamoDB), Microsoft Azure (VM, Storage, Azure Monitor, RBAC)

Containers & Orchestration: Docker, Kubernetes, Amazon EKS, Helm, Karpenter, KEDA, HPA, Cluster Autoscaler

Infrastructure as Code & Config: Terraform, Ansible, Linux, Bash, Python

CI/CD & GitOps: GitLab CI/CD, GitHub Actions, Jenkins, Argo CD (Blue-Green, Canary)

DevSecOps & Security: Checkmarx One, SonarQube, Semgrep, Trivy, Snyk, Gitleaks, Checkov, Syft (SBOM), Cosign, Kyverno, HashiCorp Vault, IAM OIDC, IRSA, mTLS

Observability & Reliability: Prometheus, Grafana, Datadog, ELK Stack, AWS CloudWatch, Alertmanager

Networking & Service Mesh: Istio, Ingress Controllers, AWS VPC Peering, Application Load Balancers (ALB)

Databases & Storage: PostgreSQL, MongoDB, DynamoDB, Redis, AWS EBS CSI, PV/PVC

PROFESSIONAL EXPERIENCE

DevSecOps Engineer — ASICS Technologies Jul 2024 – Sep 2026

- **Architected Gitops pipelines** with **GitLab CI/CD, Argo CD**, and **Helm** for 30+ microservices on **Amazon EKS**, enabling zero-downtime **Blue-Green and Canary deployments** and cutting release cycles by **45%**.
- Enforced **Shift-Left security** across CI/CD pipelines using **Checkmarx One, Trivy, Checkov**, and **Gitleaks**, reducing critical production vulnerabilities by **60%**.
- Established supply chain security and compliance using **Syft (SBOM)** and **Cosign** image signing across **Amazon ECR** and **JFrog Artifactory** registries.
- Hardened multi-tenant **Amazon EKS** clusters via **Kyverno** policy enforcement, **AWS IAM Roles for Service Accounts (IRSA)**, **HashiCorp Vault** secret management, and strict **RBAC** controls.
- Reduced monthly cloud compute costs by **30%** through intelligent **Kubernetes** auto-scaling using **Karpenter, KEDA**, and **Horizontal Pod Autoscalers (HPA)**.
- Deployed and configured **Istio Service Mesh** across 30+ microservices, enforcing strict **mTLS** encryption, traffic routing, and resilient distributed network telemetry.
- Built **end-to-end observability** across microservices using **Datadog, Prometheus, Grafana**, and **ELK Stack**, centralizing log analytics and reducing **MTTR** by **50%**.
- Engineered modular **AWS** multi-region infrastructure provisioning using **Terraform** and **Ansible**, reducing environment spin-up times by **80%**.

DevOps Engineer — Larsen & Toubro Construction (L&T) Sep 2021 – Jul 2024

- Designed resilient CI/CD workflows using **GitHub Actions** and **Argo CD** for 40+ microservices, reducing deployment incidents by **45%**.
- Embedded security validation across release pipelines using **SonarQube, Trivy**, and **SCA** vulnerability scanners, preventing unverified builds from deployment.
- Optimized microservice container images using **Docker multi-stage builds** and minimal base images, reducing artifact storage footprint by **60%** and speeding up image pulling times.
- Managed and operated production **Kubernetes** workloads utilizing **Deployments, StatefulSets, DaemonSets**, and custom **Helm charts** across Dev, QA, and Production tiers.
- **Engineered AWS infrastructure delivery** (VPC, EC2, S3, IAM, ALB) using Terraform modules, accelerating provisioning cycles by **80%**.

- Standardized Linux baseline configurations, patching routines, and system deployments using reusable **Ansible** playbooks.
- Implemented **Prometheus**, **Grafana**, and **CloudWatch** monitoring across 40+ microservices, enabling proactive alerting and faster detection of application bottlenecks.

Cloud Support Associate — Progle Infotech Apr 2020 – Aug 2021

- Provided **L1/L2** operational engineering support for enterprise **AWS** and **Azure** cloud environments, triaging infrastructure incidents and maintaining high platform uptime.
- Enforced cloud governance and security best practices via **AWS IAM** policies, **Multi-Factor Authentication (MFA)**, and **Azure RBAC** role assignments.
- Managed enterprise backup, disaster recovery, and data retention policies using **EBS snapshots**, **S3 Lifecycle policies**, and **Azure Recovery Services Vaults**.
- **Optimized cloud infrastructure costs by 30%** through resource right-sizing, idle storage cleanup, and automated scheduled shutdowns.
- Monitored production health using **AWS CloudWatch** and **Azure Monitor**, authoring standard operating procedures (**SOPs**) and runbooks that **accelerated incident resolution**.

EDUCATION

Bachelor of Technology (B.Tech) in Civil Engineering 2015 – 2019

Annamacharya Institute of Technology and Science