

Lalith Charan Ampabathina

Ph: 9966404900 | Email: lalithcharan1410@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Professional Summary:

DevSecOps & Platform Engineer with **3+ years of experience** building, securing, and operating cloud-native platforms on **AWS and Kubernetes**. Hands-on experience with **Amazon EKS, ECS/Fargate migrations, CI/CD automation, GitOps, container security, and Infrastructure as Code**. Designed and implemented **AWS CodePipeline and CodeBuild frameworks** integrating secret scanning, SAST, dependency analysis, container vulnerability scanning, SBOM generation, image signing, and Kubernetes security validation. Experienced in **production Kubernetes operations, multi-region EKS environments, observability, and cloud infrastructure troubleshooting**.

Technical Skills:

DevSecOps & Security: DevSecOps, Shift-Left Security, SAST, SCA, Secret Scanning, Vulnerability Management, Container Security, Kubernetes Security, Software Supply Chain Security, SBOM, Security Gates, Image Signing, Trivy, Syft, Cosign, Kubescape, SonarQube, OWASP Dependency-Check, Hadolint, Prowler

Cloud & AWS: AWS, Amazon EKS, Amazon ECS, AWS Fargate, EC2, ECR, S3, IAM, KMS, SSM, ALB, CloudWatch, CodePipeline, CodeBuild, MSK, ElastiCache, RDS

CI/CD, GitOps & Containers: Jenkins, GitLab CI/CD, GitHub, AWS CodePipeline, AWS CodeBuild, Argo CD, GitOps, Docker, Dockerfile, Multi-Stage Builds, Container Image Management, Red Hat OpenShift

Kubernetes & Platform Engineering: Kubernetes, Amazon EKS, Deployments, Services, Ingress, HPA, ConfigMaps, Secrets, RBAC, Pod Security, Security Context, Container Hardening, Kubernetes Networking

Infrastructure as Code & Automation: Terraform, Ansible, Helm, Kustomize, IaC, Bash/Shell, Python, Groovy, YAML, AWS CLI, kubectl

Monitoring, Observability & Networking: Prometheus, Grafana, Loki, CloudWatch Container Insights, ELK/EFK, Logging, Alerting, DNS, Cloudflare, TLS/SSL, Network Troubleshooting

Artifact & Supply Chain: Nexus Repository, Docker Hub, Artifact Management, Container Image Lifecycle Management, SBOM Management, Image Promotion, AMD64/ARM64 Multi-Architecture.

Professional Experience:

Netscience Technologies Pvt. Ltd. - DevOps & Platform Engineer

March 2026 – Present | India

- Engineered a reusable AWS DevSecOps delivery platform using **GitHub, AWS CodePipeline, CodeBuild and Amazon ECR**, automating application builds, containerization, security validation and deployment workflows across multiple services.
- Implemented **shift-left security across CI/CD pipelines**, integrating **secret scanning, SAST, SCA/dependency analysis, container vulnerability scanning, Dockerfile security, SBOM generation, image signing and Kubernetes security validation**.
- Established **software supply-chain security for container workloads** using **Trivy, Syft, Cosign, Kubescape and Amazon ECR**, enabling vulnerability assessment, SBOM generation, cryptographic image signing and Kubernetes configuration validation before deployment.
- Developed a custom **Amazon Linux 2023 CodeBuild image bundling 10+ security, Kubernetes, cloud and automation tools**, standardizing pipeline execution environments across services.
- Led the **modernization of containerized workloads from Amazon ECS/Fargate to Amazon EKS**, implementing Kubernetes deployment patterns including **namespaces, Deployments, Services, HPA, ALB Ingress, workload scheduling and environment-specific configuration**.
- Operated **production Amazon EKS environments**, troubleshooting **metrics-server/APIService, IAM, Pod Security, SecurityContext, PVC/storage, networking, scheduling and application dependency issues** across Kubernetes workloads.
- Supported **multi-region AWS container delivery and ECR workflows**, resolving **AMD64/ARM64 architecture compatibility** issues affecting container builds, image promotion and Kubernetes deployments.

- **Automated cloud and Kubernetes platform operations** using **Terraform, Helm, Kustomize, AWS CLI and kubectl**, standardizing infrastructure provisioning, application configuration and deployment workflows.
- **Implemented production observability** using **Prometheus, Grafana and AWS CloudWatch Container Insights**, providing monitoring across Kubernetes infrastructure, workloads and application services and supporting production troubleshooting.

Tata Consultancy Services (TCS) - DevOps Engineer

June 2023 – March 2026

- **Engineered CI/CD pipelines** using **Jenkins, GitLab, Git, Nexus Repository and SonarQube**, automating application builds, code-quality checks, Docker image creation and deployment workflows across environments.
- **Implemented GitOps-based delivery with Argo CD**, managing declarative Kubernetes manifests, automated application synchronization and environment-specific deployment configurations.
- **Administered Kubernetes environments supporting 60+ microservices**, managing **Deployments, Services, Ingress, ConfigMaps, Secrets, PV/PVC, HPA and RBAC**, while troubleshooting application and cluster-level issues.
- **Containerized Java and microservice applications with Docker**, developing **multi-stage Dockerfiles**, optimizing container images and implementing standardized image build and management practices.
- **Integrated DevSecOps controls into CI/CD pipelines** using **Trivy and OWASP Dependency-Check**, enabling automated container and dependency vulnerability scanning before application deployment.
- **Managed Red Hat OpenShift environments** using **Projects, Routes and RBAC**, integrating application workloads with Jenkins-based CI/CD and Argo CD GitOps workflows.
- **Implemented production observability and centralized logging** using **Prometheus, Grafana, Fluentd and Elasticsearch**, creating dashboards for JVM, latency and application health metrics and aggregating Kubernetes container logs for troubleshooting.
- **Supported production DevOps operations** across Kubernetes, Docker, CI/CD, NGINX Ingress and application infrastructure, troubleshooting deployment failures, ingress and SSL/TLS issues, container problems and application performance incidents.

EDUCATION:

- **Bachelor of Technology (B.Tech) - Electronics & Communication Engineering**
Sri Venkateswara College of Engineering, JNTUA, Tirupati, Andhra Pradesh | **2022**
- **Diploma - Electronics & Communication Engineering**
Government Polytechnic, Proddatur, Andhra Pradesh | **2019**