

# Yaseen S

## DevSecOps Engineer

✉ [contact@yaseenins.com](mailto:contact@yaseenins.com)  
\* [github.com/yaseensec](https://github.com/yaseensec)

☎ +91 8919833528  
\* [linkedin.com/in/yaseenins](https://linkedin.com/in/yaseenins)



### PROFESSIONAL SUMMARY

DevSecOps Engineer with 6+ years of experience designing, securing, and scaling cloud-native infrastructure on AWS — spanning iGaming platforms, telecom systems, enterprise data pipelines, and greenfield cloud builds. Progressed from foundational cloud provisioning and container orchestration to leading Kafka migrations, Graviton cost optimisation, and organisation-wide security posture improvements. Known for owning complex end-to-end initiatives, embedding security deep into CI/CD, and driving measurable cost and reliability improvements across multi-client environments.

### CERTIFICATIONS

- ☐ **AWS Certified Developer – Associate** — Amazon Web Services
- ☐ **AWS Certified Solutions Architect – Associate** — Amazon Web Services

### TECHNICAL SKILLS

<b>Cloud &amp; AWS</b>	EC2, EKS, S3, MSK, DMS, Redshift, QuickSight, MWAA, Glue, GuardDuty, WAF, Network Firewall, VPC, SSM, CloudFront, ACM, Cost Explorer, CUR, Athena, CloudFormation
<b>Containers &amp; K8s</b>	Kubernetes (EKS), Docker, Helm, Kyverno, Traefik, NGINX, Cosign, multi-arch (ARM64/AMD64) images
<b>CI/CD &amp; IaC</b>	Jenkins (DSL, Shared Libraries), Terraform, Ansible, CloudFormation, GitHub Actions
<b>Data &amp; Streaming</b>	Apache Kafka (KRaft & Zookeeper, MSK, MirrorMaker2), Apache Flink, AWS Glue, MWAA (Airflow)
<b>Databases &amp; Cache</b>	MySQL, PostgreSQL (Patroni + etcd), PgBouncer, Redshift, Elasticsearch, Redis (v4–v8 + Sentinel)
<b>Security &amp; SIEM</b>	Snyk, OWASP Dependency Check, Dependency Track, SonarQube, Trivy, Wazuh, GuardDuty, Authentik, 42Crunch, Fortify, Kyverno
<b>Observability</b>	Prometheus, Grafana, ELK Stack, Zabbix, New Relic, CloudWatch, Kafbat (Kafka UI), Redis Insights
<b>Languages &amp; OS</b>	Python, Bash, Node.js; Linux (Ubuntu, RHEL, CentOS), AWS Managed AD

### PROFESSIONAL EXPERIENCE

#### TechMojo Solutions Pvt. Ltd. DevSecOps Engineer

Oct 2024 – Apr 2026

##### ► Cloud Infrastructure & Multi-Env Deployment

- Built and automated full Dev/QA/Production environments for iGaming platforms on AWS (EC2, S3, CloudFront, ACM, ALB/NLB) using the Cloudflare SaaS model to abstract and protect origin infrastructure — reducing direct-origin exposure to zero.
- Managed and upgraded large-scale EKS clusters across 15+ client environments; led ingress controller migration from NGINX to Traefik and NLB-to-ALB transitions with no user-facing downtime.
- Migrated middleware and CMS layers from EC2 to Kubernetes, standardizing deployments across all client stacks and cutting provisioning time by ~60%.

##### ► Data Engineering & Analytics

- Architected an enterprise data pipeline ingesting DB changes from EC2 replicas via AWS DMS into S3, transforming into Redshift for warehousing, and surfacing reports through QuickSight — enabling near-real-time business intelligence for 5+ clients.

- Re-architected the pipeline to real-time using Apache Flink, AWS Glue, MWSA (Airflow), and MSK — improving data freshness from hours to minutes and supporting multi-client scale.

#### ► Kafka & Streaming Platform Modernization

- Led full migration of 3+ production Kafka clusters from legacy Zookeeper-based architecture (Scala 2.11) to KRaft (Scala 2.13) across EC2 and AWS MSK — eliminating Zookeeper operational overhead and improving cluster stability.
- Executed phased rollouts (Dev → QA → Production) with coordinated application-level changes and zero data loss; implemented disaster recovery using MirrorMaker2 for cross-region replication.
- Upgraded Redis from v4 to v8 across 4+ client environments including Sentinel reconfiguration — achieving seamless zero-downtime rollout and unlocking performance improvements shipped in newer Redis releases.

#### ► Identity, Access & SSO

- Designed and deployed centralized SSO using Authentik for Jenkins, Grafana, and Elasticsearch — eliminating per-tool credential sprawl across engineers and standardizing access control organization-wide.
- Deployed Authentik on Kubernetes backed by a PostgreSQL HA cluster (Patroni + etcd) via PgBouncer and NLB; implemented automated backup and DR strategy for the authentication stack.
- Implemented AWS Managed Active Directory integration for Linux servers across lower environments, laying groundwork for centralized identity management.

#### ► Cost Optimization & FinOps

- Led full-stack Graviton (ARM) migration across EKS clusters, worker nodes, Kafka brokers, Redis, and databases — delivering an estimated 25–30% compute cost reduction while maintaining full production parity.
- Built multi-architecture Docker images and modified CI/CD pipelines to support ARM64/AMD64 simultaneous builds across all environments.
- Reduced network egress costs through VPC endpoint adoption, inter-AZ traffic optimization, and resource right-sizing — contributing to 15–20% network cost reduction across client accounts.
- Implemented Cloud Custodian for automated governance and remediation; built centralized cost dashboards using AWS Cost Explorer API, CUR, Athena, S3, and Grafana — giving stakeholders real-time spend visibility.

#### ► Security Engineering & Incident Response

- Embedded security tools across build and runtime: Snyk, OWASP Dependency Check, and Dependency Track for dependency CVEs; SonarQube for code quality; Trivy for container scanning; Cosign for image signing and attestation — reducing critical vulnerabilities reaching production significantly.
- Deployed AWS GuardDuty organization-wide with EKS runtime integration; set up alerting and automated response workflows reducing mean time to detect (MTTD) on anomalous activity.
- Deployed and managed Wazuh (self-hosted) as a centralized SIEM — aggregating security events across all environments and enabling structured incident dashboards.
- Actively led response to security incidents: performed root cause analysis, implemented mitigations, delivered detailed post-mortem reports, and reduced blast radius through architectural hardening and IAM policy tightening.
- Hardened Dockerfiles and Kubernetes manifests to CIS benchmark standards; enforced runtime policies using Kyverno, blocking non-compliant workloads before they reached production.

**Brillio Technologies Pvt. Ltd.**  
**AWS & DevOps Engineer**

*Mar 2022 – Oct 2024*  
*Client: Verizon Data Services India*

#### ► CI/CD Pipeline Engineering

- Designed and maintained Jenkins DSL build pipelines for Java and Angular/React applications; built deployment pipelines using CloudFormation plugins to provision and manage AWS stacks across 4 project environments.
- Developed and maintained Jenkins shared pipeline libraries reused across multiple teams for both builds and deployments — reducing pipeline duplication and standardizing release practices.
- Migrated Ansible and Shell scripts from CentOS to RHEL during OS migration; upgraded Jenkins plugins from legacy Ansible and CloudFormation versions to current supported releases.

#### ► Infrastructure Automation

- Implemented and managed AWS networking components (Security Groups, ALBs, NLBs, ASGs, Target Groups) via Jenkins automation jobs — covering full stack provisioning without manual console work.

- Authored Ansible playbooks for ILM processes, Jenkins agent provisioning, and artifact deployment; wrote scripts for artifact promotion between Non-Prod and Prod Artifactory with full traceability.
- Owned monthly AMI rehydration pipeline (CloudFormation + Ansible) — building, patching, testing, and promoting hardened AMIs to Production on schedule, cutting manual effort by ~80%.
- Built and maintained Kafka development environment for integration testing across project teams.

#### ► Security Integration & Compliance

- Implemented Security Gating to generate and verify code signatures for every production-bound artifact via Fortify scans — achieving 100% build-time security validation coverage across all 4 projects.
- Integrated SAST and DAST tooling into Jenkins pipelines with scheduled automated runs; built 42Crunch API scanning jobs and APIGEE deployment workflows for API-layer security coverage.
- Prepared application stack architecture diagrams and AWS security review documentation; obtained security clearances through PCM tickets before each production deployment.

#### ► Monitoring & Observability

- Set up New Relic APM monitoring for all deployed microservices, enabling distributed tracing and alerting across 4 project stacks.
- Implemented CloudWatch log aggregation for application-level observability; maintained application stacks in Non-Prod and supported Production during ER and MR release windows.

### Kanagala Technologies Pvt. Ltd AWS & DevOps Engineer

Aug 2017 – Mar 2021

#### ► Cloud Infrastructure Design & Provisioning

- Designed, deployed, and managed scalable AWS infrastructure (EC2, VPC, Auto Scaling, ALB/NLB) for client applications using Terraform — consistent, code-driven provisioning with no manual click-ops.
- Built Golden AMIs using Packer for development and production, ensuring standardised, pre-patched base images across all environments.
- Architected cloud and DevOps solutions with security, cost efficiency, and scalability as primary constraints; collaborated directly with developers on business logic requirements.

#### ► Container Orchestration & Kubernetes

- Created and maintained multi-stage Dockerfiles for lean, production-ready images stored in ECR.
- Orchestrated containerised workloads on Kubernetes (EKS and self-hosted) — handling deployments, scaling, rollbacks, and day-2 operations; versioned Helm charts for all managed applications.
- Managed Jenkins controller HA setup with EC2 and Docker-based agent nodes; set up Nexus OSS as the private artifact and Maven registry.

#### ► Configuration Management & Automation

- Authored Ansible playbooks and roles for configuration management, system patching, log rotation, and cron scheduling — eliminating manual server administration.
- Built end-to-end Jenkins declarative pipelines for Java and Python applications deployed to Kubernetes; integrated Maven, SonarQube, Docker, and Nexus via plugins.
- Managed Git repositories, enforced branching strategies, configured permissions, and supported developers with branch merges.

#### ► Maintenance & Operational Hygiene

- Maintained regular patching cycles for Terraform templates, Jenkins pipelines, Ansible playbooks, Golden AMIs, Dockerfiles, Kubernetes manifests, and Helm charts.
- Configured Apache Tomcat servers and deployed web applications through Jenkins pipelines with automated rollback on failure.

## EDUCATION

### MCA – Master of Computer Applications

Nagarjuna University

2022 – 2025

### B.Com – Bachelor of Commerce

Nagarjuna University

2014 – 2017