

Yousaf K H

Senior DevOps Engineer SRE | DevSecOps Engineer

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Professional Summary

Senior DevOps / DevSecOps Engineer with 8+ years of experience delivering secure, scalable, and reliable platforms for fintech and enterprise environments. Experienced in modernizing legacy systems, embedding security and compliance into delivery processes, and improving reliability and cost efficiency. Strong collaborator with a focus on automation, ownership, and mentoring teams.

Technical Skills

- Cloud: AWS (expert), Azure, GCP
- IaC: Terraform, CloudFormation, Ansible
- CI/CD & GitOps: GitHub Actions, Jenkins, Argo CD, Helm, Kustomize
- Containers Orchestration: Docker, Kubernetes
- Security & Compliance: Hashicorp Vault, GuardDuty, Wazuh (SIEM/XDR), Trivy, Snyk, SonarQube, Checkov, DAST/SAST/SCA, SOC 2, ISO 27001, CBUAE Audit
- Monitoring & Logging: Prometheus, Grafana, Loki, Promtail, Fluent-bit, ELK, CloudWatch, Zabbix
- Scripting & Automation: Bash, Python,
- Databases: PostgreSQL, MySQL, MSSQL, DynamoDB
- Version Control: GitHub, Bitbucket, GitLab
- Fintech & UAE Payments Infrastructure: UAE PASS (UAEPASS), AANI (Instant Payments), Jaywan Card Network, WPS (Wage Protection System), Open Banking APIs, Digital Payments & Wallet Integrations

Professional Experience

DevOps Engineer | Pay10 UAE, United Arab Emirates

Oct 2025 – Present

- Architected and operated secure, highly available AWS ECS microservices using Terraform with automated scaling and compliance-ready infrastructure design.
- Built scalable serverless APIs using API Gateway and Lambda for mobile applications, enabling low-latency endpoints, streamlined CI/CD, and integrated authentication, logging, and monitoring.
- Built a SIEM/XDR-oriented cloud security monitoring platform using Wazuh, GuardDuty, AWS Config, and CloudWatch, with centralized alerting via Slack and Grafana dashboards.
- Implemented least-privilege access controls, encrypted networking, and PIM/PAM workflows to secure production environments.
- Implemented AWS WAF, CloudFront, Global Accelerator security controls to protect applications from threats and improve edge security.
- Embedded Trivy, SonarQube, into CI/CD pipelines, reducing delivery and compliance risks by 40%.
- Delivered hybrid connectivity for merchant integrations via OpenVPN, AWS Site-to-Site VPN, and Direct Connect Gateway.
- Engineered CloudWatch-to-S3 Glacier archival pipelines supporting SOC2, PCI, and CBUAE audit retention requirements.
- Standardized secure deployment practices with Development and Compliance teams, ensuring consistent governance across FinTech services.

Senior DevOps Engineer | Alamy, Trivandrum, India,

Nov 2023 – Oct 2025

- Built cloud-native AWS infrastructure using Terraform, EKS, Docker, GitHub Actions, Jenkins, Helm.
- Designed DR and HA arch for MSSQL, MySQL, PostgreSQL, and Redis with Terraform automation.
- Reduced vulnerabilities by 90% through SAST/DAST/SCA integrations (Grype, Checkov, Checkmarx).
- Implemented GitHub Actions self-hosted runners on AWS to improve CI cost and efficiency.
- Built complete observability stack using Prometheus, Grafana, and Loki.
- Migrated Apache Solr to AWS OpenSearch, on-prem NGINX Gateway to EKS and on-prem Apache Tomcat, Zookeeper and Kafka to EKS improving performance and reliability.
- Integrated Azure Active Directory (AD) SSO for secure unified access across internal tools.
- Implemented centralized ELK logging with dashboards for application observability.

Senior Platform Engineer | Quantiphi, Trivandrum, India,

Aug 2021 – Nov 2023

- Delivered multi-environment AWS and GCP DevOps platforms with Terraform, CloudFormation, and automated CI/CD.
- Implemented AWS CodePipeline workflows by reducing release cycles by 25%.
- Managed AWS EKS, ECS, GKE and ElasticBeanstalk deployments with blue green/rolling updates, secrets management, and observability.
- Developed Bash and Python automations to streamline operational tasks and reduce manual effort.
- Mentored junior engineers and led project KT sessions.

Site Reliability Engineer | Armia Systems, Ernakulam, India,

June 2020 - Aug 2021

- Automated EC2 configuration, patching, and infrastructure tasks using Ansible and Bash.
- Deployed Zabbix/Nagios monitoring for 100+ servers improving uptime and response times.
- Defined SLAs/SLOs and improved reliability processes across environments.

TechOps Engineer | Activelobby IS, Ernakulam, India,

Oct 2018 – Feb 2020

- Managed AWS/Linux infrastructure and automated staging environments.
- Created Shell/Python automation for provisioning, backups, and system health checks.
- Led a 5-member technical support team and improved operational efficiency by 40%.

Key Achievements

- Reduced CI/CD cycle time by 25% using GitHub Actions and Jenkins.
- Eliminated 90% of vulnerabilities via DevSecOps automation.
- Built multi-cloud infrastructure across AWS & Azure with modular Terraform.
- Scaled Kubernetes workloads using Helm and Kustomize across environments.

Certifications

- [Certified Kubernetes Administrator](#) (The Linux Foundation).
- [AWS Certified Solutions Architect Associate](#) (AWS).
- [Terraform Associate Certification](#) (KodeKloud).

Education

MSc Computer Science (2021 - 2023), Bharathiar University, India.

BTech Computer Science (2014 - 2018), North East Frontier Technical University, India.

Soft Skills

- Team leadership, cross-team collaboration, analytical problem solving, mentoring, agile delivery