Yousaf Hamza

Senior DevSecOps Engineer
DevOps | Cloud | Platform

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Professional Summary

Senior DevSecOps & Cloud Platform Engineer with 7+ years of experience architecting secure, highly available AWS and Kubernetes-based cloud-native platforms in fintech and enterprise environments. Proven track record of reducing vulnerabilities by 90%, improving reliability to 99.9% uptime, and embedding compliance (SOC2, PCI, ISO 27001) into CI/CD pipelines. Passionate about automation, platform reliability, and leading high-performing engineering teams.

Core Competencies

- **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, Open Telemetry, Fluent Bit, New Relic, Zabbix
- **Scripting & Automation**: Bash, Python
- **Databases**: PostgreSQL, MySQL, MSSQL, DynamoDB
- **Version Control**: GitHub, Bitbucket, GitLab

Professional Experience

DevOps Engineer | Pay10 UAE, United Arab Emirates   Oct 2025 – Present

- Architected and operated highly available AWS-based microservices platforms achieving **99.9% uptime** using Infrastructure as Code and reliability engineering principles.
- Designed and deployed secure serverless APIs supporting fintech mobile applications, delivering **<200ms latency** with centralized observability and logging.
- Embedded DevSecOps practices into CI/CD pipelines, reducing production vulnerabilities by **40%** through automated SAST, DAST, and container image scanning.
- Implemented edge security and traffic optimization strategies improving global response times by **30%** while mitigating malicious traffic.
- Built centralized security monitoring and SIEM pipelines integrating cloud threat detection and compliance logging, reducing **MTTR by 35%**.
- Delivered hybrid network architectures including VPN and private connectivity solutions for secure fintech partner integrations.
- Engineered disaster recovery and compliance-aware log archival strategies meeting **SOC2, PCI-DSS, and regulatory audit requirements**.
- Supported UAE national payment integrations including instant payments, open banking APIs, and digital wallet ecosystems.
- Served as technical lead for DevOps, defining platform standards, mentoring engineers, and driving secure, high-availability architecture decisions in regulated fintech environments.
- Acted as primary DevOps escalation point for production systems, overseeing incident response coordination and continuous reliability improvements.

Senior DevOps Engineer | Alamy, Trivandrum, India,   Nov 2023 – Oct 2025

- Designed and operated Kubernetes-based cloud platforms managing 50+ microservices across multi-environment deployments, improving release reliability and reducing configuration drift.
- Led adoption of GitOps-driven CI/CD practices across engineering teams, reducing manual deployment effort by 40% and standardizing release workflows.
- Designed high availability and disaster recovery architectures for relational and distributed databases ensuring business continuity.
- Reduced infrastructure vulnerabilities by **90%** by integrating automated security scanning and policy-as-code validations into delivery workflows.
- Migrated legacy search and application workloads to cloud-native platforms, improving query performance by 30% and enhancing system scalability and fault tolerance.
- Built enterprise-grade observability stack reducing incident detection time by 35% and enabling proactive SLO-based monitoring.
- Implemented secure identity federation and SSO integrations for unified enterprise access control.

Senior Platform Engineer | Quantiphi, Trivandrum, India,   Aug 2021 – Nov 2023

- Delivered multi-cloud infrastructure across AWS and GCP using Infrastructure as Code frameworks.
- Designed CI/CD strategies reducing release cycles by **25%** while improving deployment reliability.
- Managed container orchestration platforms (EKS, ECS, GKE) implementing blue-green and rolling deployment strategies.
- Implemented centralized logging and monitoring frameworks enhancing application visibility and operational intelligence.
- Automated operational workflows using scripting and configuration management tools, significantly reducing manual intervention.
- Strengthened secrets management and secure configuration practices across cloud workloads.

Site Reliability Engineer | Armia Systems, Ernakulam, India,   June 2020 - Aug 2021

- Automated cloud infrastructure provisioning, patching, and configuration management improving operational consistency.
- Designed monitoring and alerting across 100+ production servers enhancing SLA compliance.
- Defined SLAs and SLOs aligned with business objectives and improved incident response processes.
- Strengthened system reliability and operational resilience through proactive capacity planning and performance optimization.

TechOps Engineer | Activelobby IS, Ernakulam, India,   Oct 2018 – Feb 2020

- Managed On Prem-based Linux and Windows servers supporting staging and production workloads.
- Automated provisioning, backup, and system health processes reducing operational overhead by **40%**.
- Led a 5-member technical team improving incident turnaround and customer support efficiency.
- Implemented monitoring and backup strategies ensuring infrastructure stability and data protection.

Selected Open Source & Automation Projects

- [**Observatory CLI**](#) - Domain security scoring tool for detecting web misconfigurations.
- [**TofuSwitch**](#) - CLI tool for simplified OpenTofu version management across environments.
- [**cKube**](#) - Lightweight kubectl extension for improved Kubernetes resource visibility.

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.