

# Youcef 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, Dubai, UAE

Oct 2025 – Present

- Architected and operated highly available AWS-based microservices platforms, achieving **99.9%** uptime through hybrid network architecture (Direct Connect, Site to Site VPN), Infrastructure as Code (Terraform), and reliability engineering best practices.
- Optimized AWS infrastructure reducing monthly cloud spend by **22%** through rightsizing and autoscaling strategies.
- 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 scanning, and SOC2/PCI-DSS compliance enforcement.
- 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%**.
- 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 multiple 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.

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## 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.

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## Certifications

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

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## Education

- MSc Computer Science (2021 - 2023), Bharathiar University, India.
- BTech Computer Science (2014 - 2018), North East Frontier Technical University, India.