

Mohammed Abdullah

DevOps Engineer · CKA · CKS · OCI Professional

Riyadh, KSA

+966 50 1720250 | Mu7med@live.com | mu7med | mohammed--abdullah

Professional Summary

Results-oriented DevOps Engineer with 15+ years of experience in cloud infrastructure, automation, and systems engineering. Expert in architecting secure, scalable microservices on Kubernetes (OKE, EKS, GKE) and automating CI/CD pipelines using Azure DevOps and Jenkins. Certified Kubernetes Security Specialist (CKS) with a proven record of “shifting left” on security—reducing incidents by 20% and improving release velocity by 35%. Specialized in bridging the gap between legacy operations and modern cloud-native architectures.

Technical Skills

Orchestration	Kubernetes (CKS/CKA Certified), Docker, Helm, Podman, CriCtl, ArgoCD (GitOps)
Cloud Infrastructure	Oracle Cloud (OCI), AWS (Certified), Microsoft Azure, Google Cloud (GCP)
CI/CD & Automation	Azure DevOps Server, Jenkins, GitHub Actions, Liquibase, Terraform, Ansible
DevSecOps	SonarQube, OWASP ZAP, Oracle Key Vault, AWS KMS, Cluster Hardening
Observability	Prometheus, Grafana, Zabbix, SAS Viya Monitoring

Professional Experience

MALATH INSURANCE

Riyadh, KSA

DevOps Engineer

June 2024 – Present

- Release Strategy & Leadership: Direct the full SDLC and release cycle for enterprise insurance applications, bridging development and operations to ensure stability across IIS-based web applications and backend services.
- Government Integration: Lead technical collaboration with the Insurance Authority, architecting secure data synchronization channels for the “IA Data Hub” and “IA Services Hub,” ensuring strict regulatory compliance.
- Pipeline Modernization: Administer Azure DevOps Server, developing modular YAML pipelines to automate build, test, and deploy cycles, significantly reducing manual intervention and downtime.
- Database DevOps: Implemented Liquibase within CI/CD workflows to automate version-controlled Oracle database schema changes, eliminating configuration drift.
- DevSecOps Implementation: Integrated SonarQube and OWASP ZAP into build pipelines to automate code quality gates and security vulnerability scanning.

ORACLE

Dubai, UAE

Operations Engineer (Cloud & Infrastructure)

July 2022 – June 2024

- Kubernetes Security & Architecture: Managed multiple Kubernetes clusters (OKE, GKE, EKS), executing comprehensive cluster hardening, supply chain security, and runtime security policies.
- CI/CD Optimization: Automated deployment pipelines using Oracle Cloud DevOps, Jenkins, and GitHub Actions, successfully reducing release cycle times by 35%.
- Cloud Migration: Executed the migration of legacy workloads to containerized microservices on OCI, utilizing Docker and Helm for standardized, scalable deployments.
- Security Hardening: Deployed Oracle Key Vault and AWS KMS for centralized secret management, cutting security incidents by 20%.
- Observability Engineering: Deployed a full monitoring stack (Prometheus, Grafana, Zabbix) for SAS Viya environments, resulting in a 12% reduction in latency and a 20% improvement in API performance.

CERNER

Dubai, UAE

HIS ANALYST / SYSTEM ENGINEER

Sep 2016 – Dec 2022

- **Implementation Leadership:** Led the technical implementation and support of Cerner Millennium HIS solutions across major hospitals and PHCs, ensuring high reliability and user adoption.
- **Operational Efficiency:** Spearheaded automation initiatives for go-live activities and user training, improving operational efficiency by 22%.
- **System Integration:** Collaborated with cross-functional teams to integrate Oracle systems into existing hospital infrastructure and conducted root cause analysis for critical incidents.

INJAZAT DATA SYSTEMS

Abu Dhabi, UAE

IT ENGINEER

Aug 2012 – Sep 2016

- **Infrastructure Management:** Managed hybrid infrastructure including servers, firewalls (Palo Alto), and load balancers, maintaining 100% SLA compliance for Tier-2/3 support.
- **Security Audits:** Conducted regular system audits and network hardening to mitigate vulnerabilities and ensure maximum up-time.

Previous Experience

Khartoum, Sudan

2009 – 2012

- **System Engineer**, Sudanese Network Company (SUN) | 2011 – 2012
- **Network Engineer**, Sudanese Network Company (SUN) | 2009 – 2011

Education

Sudan University of Science & Technology

B.SC. INFORMATION TECHNOLOGY (HONOURS)

2007

Certifications

Cloud Native & Kubernetes

Certified Kubernetes Security Specialist (CKS), Certified Kubernetes Administrator (CKA), Prometheus Certified Associate (PCA), GitOps Certified for Argo

Cloud Computing & DevOps

OCI DevOps Professional, OCI Architect Professional, AWS Certified Cloud Practitioner, Azure Fundamentals, Liquibase Certified Practitioner

Infrastructure & Security

CCNP (Route, Switch, Tshoot), CCNA Security, Palo Alto ACE, Juniper JNCIA, VMware VCP6-DCV, MCSA (2012/2008), ITILv3