

# 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

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### Sudan University of Science & Technology

B.Sc. INFORMATION TECHNOLOGY (HONOURS)

2007

## Certifications

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### 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