

# MOHAMMAD ZIAD ABUSAA

## Engineering Manager | Cloud Architect & SRE | Data Platforms Expert

Over 15 years of experience in software development and 6+ years in DevOps, DevSecOps, SRE, and cloud technologies. Adept at designing and implementing reliable and user-friendly systems. Proven leader with a track record of motivating, mentoring, and managing teams to build high-quality applications and effectively track changes.

### Personal Information

Email: [abusaa\\_mz@hotmail.com](mailto:abusaa_mz@hotmail.com)

Location: Riyadh, Saudi Arabia

Nationality: Jordanian

Mobile number: +966548011440

Links: [Website](#) | [LinkedIn](#)

Residency: **Premium Iqama**

Languages: Arabic (Native), English (Professional)

### Work Experience

#### Engineering Manager | Cloud Architect & SRE | Data Platforms

May 2023 - Present

LUCID MOTORS | RIYADH

- **Cloud-Native Architecture:** Designed and implemented cloud-native infrastructure leveraging Kubernetes, EMQ X, Apache Kafka, Airflow, and Apache Spark to support large-scale, high-throughput data pipelines across vehicle telemetry and internal systems.
- **Infrastructure Reliability & Performance:** Improved system resilience and scalability across AWS and Oracle Cloud Infrastructure (OCI), contributing to sustained uptime levels typically above ~99.5% through robust HA designs and automated recovery mechanisms.
- **Infrastructure as Code (IaC):** Developed reusable Terraform modules and CI/CD pipelines to manage 20+ cloud environments, significantly reducing manual provisioning effort and improving consistency across environments.
- **Continuous Delivery:** Led the implementation of GitOps practices with Argo CD across 25+ Kubernetes clusters, decreasing deployment times and reducing rollback incidents by over 50%.
- **Data Platform Reliability:** Maintained high availability (~99.5%) for real-time and batch data processing platforms, ensuring reliability across multiple business-critical pipelines.

- **Monitoring & Incident Management:** Built proactive monitoring and alerting systems using Prometheus, Grafana, and custom Kubernetes health checks, enabling faster mean time to resolution (MTTR) and improved on-call response.
- **Cloud Cost Optimization:** Identified unused and underutilized resources via tagging audits and usage reports, achieving an estimated 25–30% reduction in monthly cloud spend without sacrificing performance.
- **Team Leadership:** Managed and mentored a team of 5 Site Reliability Engineers, establishing best practices in observability, automation, and deployment workflows, resulting in measurable improvements in team velocity and operational confidence.
- **Strategic Execution:** Partnered with engineering and product leadership to define and track quarterly OKRs, ensuring platform engineering goals aligned with broader organizational objectives.

**PRINCIPAL DEVOPS ENGINEER**  
VISION BANK | RIYADH

Jan 2022 - May 2023

- **DevOps Technologies and Tooling:** Selected and implemented tools that significantly enhanced deployment efficiency and reduced manual configuration errors.
- **Cloud Adoption:** Led the implementation of cloud solutions from the ground up, designing and deploying infrastructure for new applications.
- **GitOps Implementation with Argo CD:** Spearheaded GitOps adoption using Argo CD for 400+ applications, streamlining deployments and reducing related issues.
- **Security Integration:** Integrated SAST and SCA into application pipelines, leading to a substantial reduction in vulnerabilities detected post-deployment.
- **Quality Code Checks with SonarQube:** Improved code quality by integrating SonarQube into CI/CD pipelines, reducing technical debt and enhancing overall metrics.
- **CI/CD Automation:** Established automated CI/CD pipelines in collaboration with the development team, increasing deployment frequency and reducing time to deploy.
- **Monitoring with Prometheus and Grafana:** Implemented a monitoring solution that improved incident detection and provided real-time insights into system performance.
- **Infrastructure Provisioning with Terraform:** Automated infrastructure provisioning across multiple environments, ensuring consistency and significantly reducing setup time.
- **Patching and Upgrading:** Managed the patching and upgrading process, maintaining 100% compliance with the latest security and performance updates.
- **Security Collaboration:** Collaborated with the Cybersecurity team to enforce security standards, achieving high compliance with internal policies.
- **Training and Enabling New Joiners:** Onboarded and trained new team members in Platform and DevSecOps practices, boosting their productivity within the first few months.

**PLATFORM LEAD**

Sep 2019 - Dec 2021

THIQAH BUSINESS SERVICES | RIYADH

- **Software Delivery Projects for Government Clients:** Led the design and implementation of software delivery projects, ensuring successful outcomes for government clients.
- **Team Leadership:** Managed multiple teams of over 10 professionals, driving a notable increase in productivity and improving project delivery timelines.
- **Transformation to Cloud-Native Apps:** Directed the shift to cloud-native architectures, integrating containerization across all applications, which enabled smoother deployments and greater flexibility.
- **Kubernetes and Containerization Adoption:** Spearheaded the company-wide adoption of Kubernetes and containerization, resulting in faster deployments and better resource utilization.
- **Project Design and Architecture Advisory:** Collaborated closely with the architecture team, providing advisory support that improved system efficiency and reduced the need for architectural redesigns.
- **Agile and DevOps Practices Adoption:** Implemented Agile and DevOps practices, significantly boosting development team efficiency and streamlining workflows.
- **Backend APIs Development:** Developed and optimized backend APIs, improving response times and enhancing system scalability to accommodate increased traffic and workload demands.

**PRODUCT MANAGER/TEAM LEAD**

Jan 2018 - Aug 2019

NETWAYS | RIYADH

- Team leader: responsible of project implementation and delivery and managing the dev team, following up on daily basis.
- Reviewing the final product before shipping into customer, In terms of business and technical implementation.
- Product management: responsible for managing product backlogs and first chair customer facing person.
- Participated in application design with Architecture team.

**TECHNICAL TEAM LEADER**

Jan 2017 - Dec 2017

NETWAYS | RIYADH

**SENIOR SOLUTION DESIGNER**

Dec 2012 - Jan 2017

NETWAYS | RIYADH

**SOFTWARE ENGINEER**

Jan 2010 - Nov 2012

OGER SYSTEMS | RIYADH

**Published Courses**[Argo CD Essential Guide for End Users \(Udemy\)](#)

## Skills

- **Containers & Orchestration:** Kubernetes, Helm Charts, Rancher
- **Cloud Platforms:** AWS, Oracle Cloud (OCI), Google Cloud, Azure DevOps (Certified)
- **Data Platforms:** Hive, Spark, Airflow, Kafka, Trino.
- **DevSecOps:** Security best practices, Secrets management using Vault.
- **GitOps:** Argo CD.
- **Infrastructure as Code (IaC):** Terraform
- **Version Control Systems:** Azure DevOps, GitLab
- **Observability & Monitoring:** Prometheus, Grafana, Alert Manager
- **Team Management & Leadership:** Team leadership, project management
- **Development Frameworks & Languages:** .NET Core (C#), Angular, Go, Python and Shell Scripting.
- **Microsoft:** SharePoint (Certified), Office 365, CRM, BizTalk
- **BPM:** K2.

## Education

UNIVERSITY OF JORDAN  
BACHELOR of COMPUTER SCIENCE

Jan 2005 - Dec 2009

## Certificates

- **AWS Certified Solutions Architect – Associate**  
[Link](#)
- **AWS Certified Cloud Practitioner**  
[Link](#)
- **Prometheus Certified Associate**  
Certification Number: LF-pp8k8uvy3s
- **Google Cloud Digital Leader**  
Certification Number: xVCjoH
- **Certified Kubernetes Administrator (CKA)**  
Certification Number: LF-kg8hjq9m42
- **Certified Kubernetes Security Specialist (CKS)**  
Certification Number: LF-IJ4BDLK3O6

- **Certified Kubernetes Application Developer (CKAD)**  
Certification Number: LF-4xr63e8hp8
- **Microsoft Certified: DevOps Engineer Expert**  
Certification Number: H584-3759
- **Microsoft Certified: Azure Developer Associate**  
Certification Number: H584-3619
- **Microsoft Certified Solutions Expert: Productivity**  
Certification Number: G421-5726
- **Microsoft Certified Solutions Associate: Office 365**  
Certification Number: G421-5525
- **Microsoft Certified Professional**  
Certification Number: E933-3478