MUHAMMAD ZIAD ABUSAA

ENGINEERING MANAGER | Cloud, SRE and DevOps

Over 14 years of experience in software development and 5+ 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

Location: Riyadh, Saudi Arabia

Nationality: Jordanian

Mobile number: +966548011440

Links: Website | LinkedIn

Residency: **Premium**

Languages: Arabic (Native), English (Professional)

Work Experience

ENGINEERING MANAGER | SRE   May 2023 - Present
LUCID MOTORS | RIYADH

- **Infrastructure Reliability and Performance**: Maintained over 99.5% uptime by optimizing infrastructure and application performance. Managed a multi-cloud environment across AWS and OCI, dynamically scaling resources based on demand.

- **Infrastructure as Code (IaC) with Terraform**: Automated resource provisioning for 20+ AWS and OCI environments, reducing manual setup time and boosting deployment speed.

- **Continuous Delivery with Argo CD**: Streamlined deployment processes using Argo CD across 25+ Kubernetes clusters, reducing deployment time and minimizing errors.

- **Data Platform Management**: Managed critical data platforms, ensuring 99.5% availability and strong performance across **EMQ X, Apache Kafka, Apache Spark**, and others.

- **Monitoring and Alerting**: Implemented a monitoring system using Kubernetes Prometheus stack, enhancing incident response and proactive issue resolution with custom metrics and real-time visualization.

- **Cost Optimization**: Led cloud cost optimization initiatives, resulting in a 30% reduction in monthly cloud expenses by identifying and decommissioning idle resources.

- **Leadership and Team Development**: Led a team of 5 SREs, driving a 15% improvement in team performance and fostering a collaborative environment.

- **Departmental Goals and OKRs**: Played a key role in aligning team efforts with departmental OKRs, leading to improved focus and achievement of performance targets.

PRINCIPAL DEVOPS ENGINEER   Jan 2022 - May 2023
VISION BANK | RIYADH

- **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   Jan 2005 - Dec 2009
BACHELOR of COMPUTER SCIENCE

Certificates

- **AWS Certified Cloud Practitioner**
  Validation #: N9YY5EB2WEEQ1M5Z

- **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