

# MOHAMMAD ZIAD ABUSAA

Engineer • Architect • Cloud, Platforms, AI-Native Products

Riyadh, Saudi Arabia | +966 54 801 1440 | [abusaa\\_mz@hotmail.com](mailto:abusaa_mz@hotmail.com)

[LinkedIn: muhammadabusaa](#) | [mabusaa.github.io](https://mabusaa.github.io) | Premium Iqama | Arabic (Native), English (Professional)

## SUMMARY

---

Engineer with 16+ years delivering production systems across backend, cloud, and platforms. I start from a real user need, prototype it quickly, get it in front of stakeholders, and refine based on feedback. Strong in .NET backend development and cloud architecture, with growing hands-on work in AI-native tooling (Claude Code, multi-agent workflows, GitOps automation). Published Udemy instructor with 26,000+ learners and a community speaker on Argo CD and Kubernetes GitOps.

## WHAT I DO

---

- **Build & Ship:** Take a business need, design a working solution, and deliver it through short feedback loops with stakeholders.
- **AI-Native Engineering:** Work with Claude Code and the Anthropic API to design multi-agent engineering workflows and wire LLM tooling into real delivery pipelines.
- **Backend & Cloud Depth:** Strong in .NET Core (C#) for backend development; working knowledge of Python and Go for scripting and automation; experienced with Angular for shipped web UIs; general front-end competency.
- **Platforms & Data:** Cloud (AWS, OCI, GCP), Kubernetes, GitOps with Argo CD, Terraform, Kafka, Spark, Airflow.
- **Customer Engagement:** Workshops, live demos, RFPs, and stakeholder discovery across government, banking, automotive, and private sectors.
- **Engineering Leadership:** Mentoring, team management, Agile delivery, and translating ambiguous business needs into working product decisions.

## RECENT BUILDS & DELIVERIES

---

- **Qiya Cloud Migration & DevOps Modernization:** Leading large-scale cloud migration and DevOps modernization across a national-scale platform under NCA regulatory controls; introduced GitOps, IaC, and release orchestration practices across ~200 microservices.
- **Lucid Motors ME Region Platform:** Delivered the Middle East region data and microservices platforms on AWS and OCI, supporting connected-vehicle telemetry and enterprise analytics.
- **Multi-Agent Engineering Pipeline:** Designed and built a structured multi-agent setup on Claude Code (.claude/ folder, custom agents, slash commands, loop-state tracking) running engineering workflows at semi-autonomy with humans in the approval and merge loop.
- **Remote-Monitored Unattended Agent Runs:** Configured Windows and Claude Code for long-running unattended sessions with PR-merge checkpoints via mobile and Remote Control.
- **Technical Content & Community:** Published Udemy course (Argo CD Essential Guide, 26,000+ learners). Community speaker on Argo CD and multi-cluster GitOps.

## EXPERIENCE

---

### Cloud Platforms Advisor / Director, Cloud Architect

Aug 2025 – Present

Takamol Business Services (Qiya), Riyadh

- Own national-scale cloud platform strategy and execution for digital services used by millions of users and hundreds of thousands of businesses across the Qiya ecosystem.

- Designed and govern the enterprise cloud migration program under National Cybersecurity Authority regulatory controls.
- Established the enterprise cloud landing zone (security, networking, identity, governance, ops) enabling consistent onboarding of multiple teams.
- Led GitOps and Infrastructure-as-Code transformation; deployment times down 60–80%, environment creation cut from days to minutes.
- Advise CTO and product leadership on platform decisions supporting ~200 microservices across OCI, VMware NSX, IBM ACE, Argo CD, F5, and Palo Alto.

### **Engineering Manager, Cloud Architect & Solutions Leader**

*May 2023 – June 2025*

*Lucid Motors, Riyadh*

- Led cloud-native architecture and reliability engineering for internal data platforms powering connected-vehicle telemetry and enterprise analytics.
- Partnered with product, data, and security teams; acted as trusted advisor on deployment patterns, scalability, and cost optimization.
- Designed scalable infrastructure using Kubernetes, Kafka, EMQ X, Airflow, and Spark across AWS and OCI.
- Built Terraform modules and CI/CD pipelines managing 20+ environments, achieving 80% reduction in provisioning time.
- Led GitOps adoption with Argo CD across 25+ Kubernetes clusters, achieving 50% drop in deployment time and rollback incidents.
- Maintained 99.5%+ uptime, cut cloud costs by 25–30%, mentored 5 engineers.

### **Principal DevOps Engineer, Solutions Engineering Lead**

*Jan 2022 – May 2023*

*Vision Bank, Riyadh*

- Led cloud adoption and DevSecOps transformation; architected scalable, secure infrastructure for banking applications.
- Drove GitOps for 400+ applications with Argo CD, improving deployment reliability and release speed.
- Integrated SAST and SCA into CI/CD pipelines, elevating product security and regulatory compliance posture.
- Partnered with presales and cybersecurity to ensure solutions met customer requirements; automated Terraform provisioning for rapid customer pilots and demos.
- Stood up Prometheus + Grafana monitoring; trained and mentored new hires into a customer-oriented DevOps culture.

### **Platform Lead, Solutions Consultant**

*Sep 2019 – Dec 2021*

*Thiqah Business Services, Riyadh*

- Delivered cloud-native platform projects for government clients; led requirements workshops, solution demos, and stakeholder sessions.
- Managed and mentored multiple technical teams; translated business needs into working technology solutions.
- Spearheaded Kubernetes adoption and containerization, enabling faster delivery and better resource utilization.
- Provided architectural advisory and presales support contributing directly to contract wins.
- Built backend APIs optimized for performance and scale.

### **Solution Engineering Manager**

*Jan 2018 – Aug 2019*

*Netways, Riyadh*

- Led cross-functional teams delivering enterprise solutions across finance, government, and private sectors.
- Owned product backlog; primary technical contact for key customers, handling demos, proposals, and expectation management.

- Engaged directly with IT managers and C-level executives to gather requirements and design tailored solutions.
- Participated in presales: RFPs, proofs of concept, live demos. Delivered custom .NET, SharePoint, CRM, and workflow solutions with high customer satisfaction.
- Acted as product owner and delivery lead using Agile/Scrum.

### Senior Solution Designer, then Technical Team Leader

*Dec 2012 – Dec 2017*

*Netways, Riyadh*

- Progressed from Senior Solution Designer (2012–2017) to Technical Team Leader (2017), designing and delivering custom enterprise solutions for regional clients.

### Software Engineer

*Jan 2010 – Nov 2012*

*Oger Systems, Riyadh*

- Built .NET applications and integrations across enterprise systems.

## SKILLS

---

- **AI-Native Tooling:** Claude Code, Anthropic API, multi-agent workflows, SKILL.md authoring, prompt engineering.
- **Backend:** .NET Core (C#) — strong; Python and Go — working knowledge for scripting and automation.
- **Frontend:** Angular (shipped production products); general front-end competency in HTML, CSS, JavaScript.
- **Cloud & Containers:** AWS, Oracle Cloud (OCI), Google Cloud, Kubernetes, Helm, Rancher, Docker.
- **DevSecOps & GitOps:** Terraform, Argo CD, Vault, Prometheus, Grafana, SAST/SCA integration.
- **Data Platforms:** Kafka, Spark, Hive, Airflow, Trino.
- **Customer & Product:** Workshops, solution demos, RFP responses, proof-of-concept design, executive engagement.
- **Leadership:** Team management, mentorship, Agile/Scrum, cross-functional delivery.

## PUBLISHED WORK & COMMUNITY

---

- **Udemy Instructor:** Argo CD Essential Guide for End Users, 26,000+ learners.
- **Conference Speaker:** Community sessions on Argo CD and multi-cluster Kubernetes GitOps deployments.
- **Writing:** Publishing engineering content on LinkedIn documenting AI-native workflows and Claude Code pipelines.

## CERTIFICATIONS

---

- Anthropic Certified: Building with the Claude API
- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- Certified Kubernetes Administrator (CKA), Security Specialist (CKS), Application Developer (CKAD)
- Microsoft Certified: DevOps Engineer Expert
- Microsoft Certified: Azure Developer Associate
- Prometheus Certified Associate
- Google Cloud Digital Leader

## EDUCATION

---

**B.Sc. Computer Science**, University of Jordan • 2005 – 2009