



# Mohamed ELTorky

Cloud Architect | Delivery Consultant | Serverless & Microservices Advocate

Cloud Architect with 6+ years delivering application modernization and cloud migrations (AWS/Azure). Hands-on with refactoring monoliths to microservices/serverless, IaC (Terraform), and CI/CD. Strong in customer discovery, solution design, delivery leadership, and operational excellence.

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## SKILLS

AWS Azure Kubernetes DevSecOps Networking IaC Automation Disaster Recovery Database Migration Agile Monitoring Serverless Microservices Application modernization

## WORK EXPERIENCE

### Cloud Solutions Architect Leejam Sports Company

05/2024 - Present

Riyadh, Saudi Arabia

Leejam is an influential player in the sports industry. It has more than 220+ GYM's across Saudi Arabia and UAE with 500K active members.

- Served as the CTO's primary delivery consultant for application modernization and cloud transformation: assessed current-state architecture, defined target-state designs, and drove execution with internal teams and implementation partners.
- Migrated core Azure infrastructure from **France** → **Azure UAE North**, improving latency/data residency alignment, enabling **high availability**, and delivering measurable **cost optimization** across compute and networking.
- Partnered with the data organization on cloud analytics enablement: reviewed partner architectures before execution and guided platform direction, including adoption of **Microsoft Fabric** over traditional DW/SSIS patterns where appropriate.
- Owned the observability program end-to-end: implemented **IBM Instana**, then migrated to **Datadog** (APM, infra monitoring, alerting, dashboards) to strengthen incident detection and reduce MTTR.
- Led Disaster Recovery readiness for critical workloads: onboarded systems to DR agents, executed **drill tests**, and performed controlled **failover/failback** during incidents as part of operational resilience improvements.
- Rebuilt the DevSecOps delivery pipeline: migrated **GitHub Actions** → **Jenkins**, separated pipelines for **SAST / DAST / SCA**, integrated **Checkmarx**, and enforced release gates with audit-ready traceability.
- Led **AWS Data Center Exit** end-to-end: established a **Cloud-First landing zone with AWS Control Tower** (multi-account governance/guardrails), designed the core **VPC** networking, and delivered secure connectivity to **AWS Bahrain** by integrating into Leejam's enterprise SD-WAN; coordinated workload onboarding and cutover for **EC2**-hosted services with the implementation partner.
- Led modernization of **Azure PaaS (App Service Linux containers)** → **AWS serverless** (Lambda + **Bref** for Laravel): defined the migration approach and platform components (**API Gateway, CloudFront, SQS, S3, DMS, RDS + RDS Proxy, ElastiCache, MongoDB Atlas on AWS**), targeting **OPEX reduction ~\$350K/year** → **~\$200K/year**.
- Authored Leejam's **Vision 2030 ISV** target infrastructure architecture for a **multi-tenant SaaS** on AWS (multi-account, tenancy isolation, shared services; incl. **VPC Lattice** for cross-account service communication).
- Conducted deep-dive reviews with **AWS senior engineers and Gartner**; the architecture was **validated with no material changes required** after service-by-service justification and trade off defense.



## WORK EXPERIENCE

### Solutions Architect

#### Albawani Contracting Company

01/2024 - 05/2024

Riyadh - Saudi Arabia

*Al Bawani is a construction division is now among the five largest operators in the country and has earned us a Class-1 business ranking in KSA.*

- Led solution architecture evaluations supporting digital transformation; ran discovery with stakeholders, translated requirements into target-state designs, and produced decision memos with tradeoffs and risks.
- Evaluated low-code/no-code platform direction (initially Creatio → selected **Mendix** based on technical fit and deployment constraints); defined the hosting and operating model for enterprise adoption.
- Designed and implemented an **on-prem Kubernetes** platform to host Mendix workloads; automated node provisioning and cluster join using **Ansible** to create **dev/stage/prod** environments rapidly.
- Built a pragmatic **DevOps delivery setup** for Mendix: environment separation, deployment workflow, and release controls aligned with enterprise governance.
- Integrated the platform with enterprise network/security controls (firewall rules, ingress/egress patterns), ensuring the runtime could operate safely inside the DC.
- Implemented software load balancing for Kubernetes services using **MetalLB** (self-driven ramp-up → production deployment), enabling stable service exposure without relying on external appliances.

### Cloud Architect

#### BuildMart

01/2023 - 12/2023

Riyadh - Saudi Arabia

*Buildmart is a B2C/B2B startup that provides services for the construction field and the procurement departments and has been acquired by Albawani.*

- *Designed and delivered scalable AWS architecture for production/staging/testing, including account/environment isolation using AWS Organizations.*
- *Modernized hosting by migrating workloads from DigitalOcean/Vultr to AWS and reducing single points of failure via workload decoupling.*
- *Ran load/stress tests (JMeter/ApacheBench) and produced an exec-ready performance comparison report.*

### Senior Software Engineer → Technical Lead

#### ELSYSTEM INC.

01/2021 - 12/2022

Cairo, Egypt

*ELSYSTEM INC. is a startup that provides SaaS for multiple education institutes in Egypt with more than 10k active users.*

- Promoted to **Technical Lead**; led application modernization of a monolithic **PHP/Laravel** SaaS toward AWS, defining target architecture and migration strategy.
- Reduced infrastructure running costs by **55%** by re-architecting hosting and automating deployments via **Jenkins**.
- Drove serverless adoption: enabled the team through demos/KT on **AWS Lambda**, and refactored Laravel components to Lambda using **Bref** (self-driven ramp-up → production delivery).
- Implemented environment separation and automated deployments (test vs production) and introduced governance automation using **CloudCustodian + SES/SNS** for tagging enforcement and cost control.

### Software Engineer → Senior Software Engineer

#### Bakly Systems

09/2019 - 12/2020

Alexandria, Egypt

*Bakly Systems is a software development and delivery company with experience primarily in CRMs and E-Commerce applications.*

- Introduced practical **design patterns/refactoring** that reduced boilerplate and improved long-term maintainability.
- Designed and maintained **proprietary internal modules** integrated across multiple client projects.
- Acted as a primary client-facing engineer: ran requirement sessions, translated needs into technical designs, and supported delivery handover.
- Promoted to **Senior Software Engineer** after consistently delivering reusable modules and improving codebase maintainability.



## CONSULTING ENGAGEMENTS

Consultant at Nahdet Misr for Modern Environmental Services. (01/2022 - 01/2023)

- Responsible for gathering requirements from the business users and submitting a technical proposal to the company's CIO.
- Developed a comprehensive integration strategy to seamlessly merge the designed cloud system with the existing on-premises private infrastructure.
- Constructed a robust pipeline utilizing AWS CodePipeline to automate the deployment of changes following CR approval.
- Provided comprehensive training to the organization's IT department, equipping them with the knowledge and skills necessary to effectively utilize and maintain the new system's infrastructure.



## EDUCATION

• **Bachelor of Science in Computer Science**  
 Arab Academy for Science, Technology & Maritime Transport (WES Verified)

09/2015 - 07/2019

GPA: 3.45/4.0



## CERTIFICATES

**Certified Kubernetes (CKA | CKAD)**

*Certified Kubernetes Administrator on 29th of Dec and CKAD on 31st of Dec 2023*

**AWS Solutions Architect SAA-C03**

*Certified Solutions Architect SAA-C03 on Jan 2023*

**HashiCorp Certified: Terraform Associate (003)**

*HashiCorp Certified: Terraform Associate (003) on Nov 2023*

**Egypt National Cyber Security CTF 2018**

*Ranked team #38 on Egypt*



## LANGUAGES

**English**

*Full Professional Proficiency*

**Arabic**

*Native or Bilingual Proficiency*



## INTERESTS

\*Ops

Serverless Architecture

System Design

AWS

Hiking

Stargazing