OMER M. TAHA AHMED

Cloud Solutions Architect - Multi-Cloud Platforms & Kubernetes

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Transferable Iqama | Member, Saudi Council of Engineers (SCE) | Available Immediately

PROFESSIONAL SUMMARY

Results-driven Cloud Solutions Architect and Cloud Infrastructure Engineer with hands-on experience delivering production-grade, highly available cloud infrastructure across multi-cloud environments (AWS, Azure, GCP). Certified at the Professional level in cloud architecture and in Kubernetes application development (CKAD). Specialized in designing scalable, cost-optimized solutions, serverless computing, and Infrastructure as Code. Proven ability to deliver measurable outcomes including 99.8% platform uptime, 25% infrastructure cost optimization, and 70% faster deployments through automation. Strong engineering background (B.Sc. Electrical Engineering) with proven ability to lead architectural decisions, perform trade-off analysis, and align cloud solutions with enterprise SLAs and business objectives.

CERTIFICATIONS

- AWS Certified Solutions Architect - Professional

- Certified Kubernetes Application Developer (CKAD)

- AWS Certified Developer - Associate

- AWS Certified Solutions Architect - Associate

PROFESSIONAL EXPERIENCE

Cloud Infrastructure Engineer | Najmat Al-Khaleej IT Services | Full-time | 01/2025 - 01/2026 | Saudi Arabia

- Architected highly available multi-zone cloud platforms with auto-scaling and self-healing capabilities, achieving 99.8% uptime SLA across production workloads

- Developed and maintained Terraform modules for end-to-end infrastructure provisioning, reducing manual deployment effort by 70% and enabling repeatable, version-controlled deployments

- Built Python-based automation tools for cloud resource lifecycle management and cost optimization, delivering 25% monthly cost reduction through right-sizing and scheduled scaling

- Designed and implemented centralized observability using cloud-native monitoring, Grafana dashboards, and custom alerting pipelines for proactive incident response

- Led technical presentations of architecture proposals and solution diagrams to non-technical stakeholders and C-level decision-makers

- Collaborated cross-functionally with development teams to gather requirements, define non-functional constraints, and design scalable, fault-tolerant solutions

Independent Cloud Solution Architect | Remote / Freelance | 03/2023 – Present

- **Event-Driven Task Processing System:** Built a fault-tolerant processing pipeline using Terraform to automate high-volume background tasks. Designed a producer-consumer architecture with SQS and Dead-Letter Queues (DLQ) to handle failures without data loss, used SNS for fan-out messaging, and implemented EventBridge schedules for cron jobs. The entire infrastructure is version-controlled and deployed via reusable Terraform modules.

- **Serverless AI Chatbot Platform:** Architected a scalable conversational bot using a managed NLU engine for intent detection and Lambda for business logic. Secured the API Gateway endpoints with strict IAM roles to enforcing least-privilege access, and optimized the backend to ensure sub-second response times. Session data is persisted in a NoSQL database for low-latency retrieval.

- **Serverless Document Conversion Service:** Developed a document processing application that triggers Lambda functions automatically upon file upload to S3. Created a secure REST API via API Gateway to handle file submissions and status checks, protected by granular IAM policies. The system includes a React-based frontend dashboard for users to upload files and view conversion history in real-time.

- **Cloud Cost Calculator & Budget Alerts:** Engineered a real-time cost monitoring system that streams billing data into a NoSQL database for analysis. Implemented a pub/sub notification system to trigger immediate alerts when specific budget

thresholds are breached. The solution features a custom interactive dashboard for visualizing spend trends and forecasting future costs.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS, Microsoft Azure, Google Cloud Platform (GCP)
- **Containers & Orchestration:** Docker, Kubernetes, Helm, Managed Kubernetes (EKS, AKS, GKE), Container Registries
- **Infrastructure as Code & Automation:** Terraform, CloudFormation, Ansible, CI/CD Pipelines, GitHub Actions, Jenkins
- **Serverless & Event-Driven:** Serverless Functions (FaaS), API Gateway, Message Queues, Pub/Sub Messaging, Event Bus, Workflow Orchestration
- **Networking & Delivery:** Virtual Private Cloud (VPC), Load Balancing (L4/L7), CDN, DNS, Hub-and-Spoke Networking
- **Storage & Databases:** Object Storage, Managed RDBMS, NoSQL Databases, In-Memory Caching, Managed File Systems
- **Observability & Reliability:** Cloud-Native Monitoring, Grafana, Prometheus, Centralized Logging, Distributed Tracing, Incident Response, Operational Runbooks, Disaster Recovery
- **Security & Governance:** IAM, KMS, Encryption at Rest and in Transit, Secrets Management, WAF, Cloud Security Posture Management
- **Scripting & Tools:** Python, Bash, YAML, JSON, Git, REST APIs
- **Migration & Modernization:** Cloud Migration (6R Strategies), Lift-and-Shift, Re-architecting, Hybrid Cloud
- **Architecture Patterns:** Microservices, Event-Driven Architecture, CQRS, Well-Architected Frameworks

EDUCATION

Bachelor of Science in Electrical Engineering
Sudan University of Science and Technology | 2025

LANGUAGES & PORTFOLIO

LANGUAGES:
Arabic (Native)
English (Advanced)

PORTFOLIO:
http://omer-taha-ahmed.github.io/portfolio