

# OMER M. TAHA AHMED

Cloud Solutions Architect - Cloud Platforms & Kubernetes

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🏢 member, Saudi Console of Engineering (SCE)

## PROFESSIONAL SUMMARY

Results-driven Cloud Solutions Architect with 3+ years of experience delivering reliable, highly available multi-cloud platforms. Certified at the Professional level in cloud architecture and as a Kubernetes Application Developer (CKAD). Specialized in scalable, cost-optimized architectures using containers, serverless, Infrastructure as Code, and automation. Proven results including 99.8% platform uptime, 25% cost reduction, and 70% faster deployments. B.Sc. in Electrical Engineering with strong experience leading architectural decisions, performing trade-off analysis, and aligning cloud solutions with enterprise SLAs and business objectives.

## PROFESSIONAL EXPERIENCE

01/2024 – 02/2025  
Saudi Arabia

### Najmat Al-Khaleej IT Services, Cloud Infrastructure Engineer

- 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 releases
- Built Python-based automation tools for cloud resource lifecycle management, delivering 25% monthly cost reduction through right-sizing, reserved capacity planning, and scheduled scaling
- Designed centralized observability pipelines using cloud-native monitoring and Grafana dashboards with custom alerting for proactive incident response
- Led technical presentations of architecture proposals and solution diagrams to non-technical stakeholders and C-level decision-makers
- Gathered cross-functional requirements and translated business and non-functional constraints into scalable, fault-tolerant solution designs

## EDUCATION

2022  
Khartoum, Sudan

**Bachelor of Science in Electrical Engineering,**  
Sudan University of Science and Technology

## SKILLS & CORE COMPETENCIES

### Programming & Scripting

Python, YAML, JSON.

### Automation (IaC)

Terraform, CloudFormation, Ansible, CI/CD Pipelines.

### Observability

Centralized Monitoring & Logging, Grafana, Operational Runbooks, Disaster Recovery Planning.

### Cloud Infrastructure

VPC, Managed Compute, Object Storage, Cloud SQL, Cloud DNS, IAM.

### Networking & Delivery

CDN, Load Balancing, Global Traffic Management, DNS Configuration.

### Migration & Modernization

VM migrations, Application modernization, Lift-and-shift strategies

### Modern Platforms

Managed Kubernetes, Serverless Computing (FaaS), API Management, Event-Driven Architecture, Managed Messaging & Queues.

### Security & Governance

Security-by-Design, IAM, Encryption-at-Rest/Transit, Secrets Management.

## LANGUAGES

### Arabic

Native

### English

Advanced (Professional Working Proficiency)

## SELECTED ARCHITECTURAL PROJECTS

01/2026

### Event-Driven Task Queue System

Designed Infrastructure as Code (Terraform) for an event-driven task processing system. Implemented message queues for task queuing, managed messaging for notifications, scheduled triggers for automation, a managed NoSQL database for state management, and serverless functions for processing. Built complete producer/consumer architecture with dead-letter queues for fault tolerance.

08/2025

### Cost Calculator Dashboard

Built a serverless cloud cost calculator with real-time budget alerts. Architected using a managed NoSQL database for data persistence, managed messaging for notifications, serverless functions for business logic, and API management for API exposure. Developed responsive frontend dashboard with cost visualization.

02/2024

### Serverless Chatbot Platform

Architected and deployed a comprehensive AI chatbot using a managed conversational AI platform, serverless functions (FaaS), API management, and a managed NoSQL database. Implemented natural language processing, session management, and RESTful API endpoints. Created full-stack solution with responsive frontend integration

02/2024

### Serverless Document Converter

Designed a serverless document conversion application on a cloud platform. Implemented object storage for file persistence, serverless functions for processing logic, and API management for RESTful endpoints. Built complete IAM security policies and developed a premium HTML/CSS frontend dashboard.

## PORTFOLIO

### Website

<https://omer-taha-ahmed.github.io/portfolio/> 

- IaC templates (Terraform), Kubernetes deployment frameworks
- Python automation tools and cloud management scripts
- System architecture documentation and diagrams

## CERTIFICATIONS

**AWS Certified Solutions Architect - Professional**

**Certified Kubernetes Application Developer (CKAD)**

**AWS Certified Developer - Associate**

**AWS Certified Solutions Architect - Associate**