

Akabom Eyo Kadana. MSc, BEng

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Senior Cloud Solutions Architect | AWS Certified | Cloud Migration & IoT Specialist

Results-driven **AWS Expert** with **10+ years** of experience in cloud architecture, cost optimization, and large-scale IT infrastructure management. Proven success in **reducing cloud costs by 25%+, migrating 50K+ users to AWS, and designing IoT solutions**. Combines technical depth with stakeholder collaboration to deliver scalable, business-aligned solutions.

Technical Skills

- ❖ **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, CloudFront, VPC, Route 53, IoT Core, DynamoDB), Azure, Terraform
- ❖ **DevOps & Monitoring:** CloudWatch, CloudTrail, Auto Scaling, CI/CD, IAM, Security Best Practices
- ❖ **Web & IoT:** ReactJS, AWS Amplify, API Gateway, ESP32, Node-Red, Grafana, Live Streaming Technologies
- ❖ **Networking:** VPN, Load Balancing, DNS Management, Firewall Configuration
- ❖ **Databases:** DynamoDB, RDS, SQL Server, Database Migration Service (DMS)
- ❖ **Soft Skills:** Pre-sales Engineering, Stakeholder Engagement, Cost-Benefit Analysis

Professional Experience

Solutions Architect

Melian Dialogue, United Kingdom | July 2021 – Present

- Spearheaded **full AWS migration** for a research consultancy, replacing on-prem infrastructure with **EC2, S3, and RDS**, achieving **99.9% uptime** and **30% faster data processing**.
- **Architected 5+ enterprise PoCs** for pre-sales, securing **£50K+ in contracts** by demonstrating AWS cost-optimization strategies.
- **Reduced monthly AWS spend by 20%** via rightsizing instances, Reserved Instances, and auto-scaling policies.
- Implemented **CloudWatch + CloudTrail** for centralized logging, cutting incident resolution time by **40%**.

Solution Architect / Systems Analyst

University of Port Harcourt, Nigeria | Jan 2018 to Feb 2021 also Nov 2010 – June 2013

- **Migrated a digital library (10K+ users) to AWS**, reducing costs by **25%** through **EC2 auto-scaling** and **S3 lifecycle policies**.
- Designed a **serverless backup system (Lambda + S3)** that saved **₦10m/year** in storage costs.
- Collaborated with faculty to deploy **AWS-based e-learning tools**, improving accessibility during peak traffic. Built the library website using WordPress and AWS LightSail

IT Manager

UNESCO Port Harcourt World Book Capital 2014, Nigeria | Jul 2013 – Aug 2017

- **Led IT infrastructure** for UNESCO's global literacy initiative, serving **1M+ visitors** through hybrid (on-prem/cloud) systems.
- **Designed and deployed:**
 - **E-library infrastructure** with digital lending capabilities, used by **10K+ students**.
 - **Computer-Based Testing (CBT) Center** for certification exams, handling **5K+ candidates annually**.
- **Streamlined operations** by virtualizing servers (Hyper-V), reducing hardware costs by **30%**.
- **Deployed online presence** using WordPress and social media to reach 2k+ wide audience
- **Managed a team of 5 IT staff**, overseeing network security, equipment procurement, and website updates.

Key Projects

1. AWS Cloud Migration for Research Consultancy

- **Challenge:** Legacy systems caused downtime and scalability issues.
- **Solution:** Migrated to **AWS EC2 (Auto Scaling), RDS, S3, and CloudFront** with Terraform IaC.
- **Outcome:** 99.9% uptime, **30% faster data processing**, **20% cost reduction**.

2. IoT Environmental Monitoring System

- ESP32-based devices controlled via **React Native app**
- **AWS backend:** IoT Core, Lambda, DynamoDB, API Gateway
- Enables remote control and energy scheduling

3. UNESCO E-Library & CBT Center

- **Challenge:** Deliver digital access to 10K+ users with limited infrastructure.
- **Solution:** Deployed **hybrid cloud/on-prem** e-library with **AWS S3** for content storage and **virtualized servers (Hyper-V)** for CBT exams.
- **Outcome:** **Served 5K+ annual exam candidates with zero downtime**.

Certifications & Education

- **AWS Certified Solutions Architect – Associate**
- **M.Sc. Network Computing** | University of Central Lancashire, United Kingdom | 2008
- **B.Eng. Electrical & Electronics Engineering** | University of Port Harcourt, Nigeria | 2004

Achievements & Metrics

Cost Savings: Delivered **\$60K+ in cumulative savings** via cloud optimization.

Scalability: Architected systems for **50K+ users** with zero downtime.

Leadership: Managed cross-functional IT teams for **UNESCO's global initiative**.