

ALABE LAWAL WALE

PROFESSIONAL SUMMARY

Results-driven Engineer with 5+ years of experience delivering scalable enterprise solutions. Core expertise in systems architecture design, security, and software development, with a proven focus on automation.

RELEVANT EXPERIENCE & PROJECTS

Nexon 5th January 2026 – To Present | Professional Services Engineer

- Manage hybrid-cloud environments spanning on-premises and cloud-hosted production servers (Windows Server 2012 R2–2019, Exchange 2013/2016); plan hybrid AD-to-cloud identity synchronisation, defining attribute scope and sync rules.
- Diagnose multi-layered connectivity failures across VPN, firewall and secure web gateway platforms through systematic log analysis, reconfiguring cloud Zero Trust access policies to restore secure client application access.
- Design and enforce compliance-driven security configurations, including data retention and litigation hold, aligned with regulatory audit and data-governance obligations.
- Diagnose and resolve endpoint web-protection blocks by analysing Windows Defender Exploit Guard logs and Custom Indicator/Cloud Discovery policy conflicts, implementing sanctioning exceptions in Defender for Cloud Apps.
- Track Endpoint Detection and Response alerts, perform risk assessments, and execute patching routines for server CVE vectors.
- Investigate and respond to security incidents involving compromised credentials, diagnosing broken secure-channel configurations and remediating legacy authentication vulnerabilities.
- End-to-end database provisioning and decommissioning across client environments, including configuration, access setup, and lifecycle compliance.
- Harden production access through authorised jumpboxes and manage RMM-escalated endpoint compliance alerts.
- Develop and maintain automation scripts to support identity lifecycle management, system health monitoring, and administrative efficiency across cloud services.
- Resolve enterprise email delivery failures across hybrid mail environments by analysing DNS SPF/DMARC records, mail routing paths and third-party gateway configurations.
- Configure NPS/RADIUS, VPN profiles, routing, ACLs and VLANs to client segmentation and compliance requirements; resolve multi-platform network faults via LogicMonitor, Meraki and Fortinet.
- Implement federated authentication (SAML 2.0 SSO), managing metadata configurations and token validation keys.

Pukyong National University - QCL Lab 30th September 2021 – 30th August 2023 | Research Assistant

- Spearheaded end-to-end development of embedded monitoring systems across the full software engineering lifecycle.
- Designed, architected, and deployed real-time software applications for industrial platforms, aligning technical specifications with strict reliability and scalability standards.
- Optimised Python and C++ algorithms for low-latency predictive modelling across real-time data streams.
- Built low-level APIs and hardware abstraction interfaces to enable seamless communication between data acquisition hardware and embedded systems.
- Established unit and integration testing frameworks to automate QA validation, boost code reliability, and maintain strict accuracy benchmarks.
- Partnered with multidisciplinary teams to integrate cloud and on-premises backends for high-accuracy fault detection models.
- Created custom diagnostic and analytical tools to evaluate system performance and generate actionable operational insights.
- Authored comprehensive technical documentation covering system architecture and algorithm design to streamline onboarding and ensure project reproducibility.
- **Top Highlighted Projects:** EPS Defect Monitoring Software, Eyewear Display Controller

Olamax Associates LTD | 1st July 2020 – 30th June 2021 | Infrastructure Engineer

- Designed and delivered the AWS infrastructure for the Fast Trade digital financial-services platform, supporting secure, highly available card (Mastercard/Visa) and fiat-wallet purchasing and trading.
- Built and maintained CI/CD pipelines in GitHub Actions and AWS CodePipeline; automated cloud resource provisioning with Terraform (IaC) for consistent development, testing and production environments.
- Architected VPC network segmentation, security-group rules and AWS WAF policies protecting compliance and audit portals; performed periodic AWS security reviews across IAM, exposed services and encryption, remediating findings.
- Secured payment-provider API credentials via a managed secrets process with scheduled rotation and least-privilege service access.
- Integrated dependency and vulnerability scanning into the release pipeline, triaging and remediating issues before deployment.
- Automated KMS-encrypted backups, TLS certificate renewals and pre-release checks; implemented disaster recovery with automated failover for critical accounts databases.
- Deployment architecture and automation for real-time Airtime & Data services across MTN, Glo, Airtel and 9mobile; defined database schema conventions with multiple teams for AR/AP systems.
- Advised business stakeholders on system strategy; authored SOPs covering environment setup, network configuration and secure-configuration baselines.

Olamax Associates LTD | 3rd June 2019 – 28th June 2020 | IT Systems Engineer

- Managed and upgraded on-premises ICT infrastructure including VMware virtualisation environments and physical servers, overseeing SSL certificate lifecycle management and DNS record maintenance within the MainOne Datacenter.
- Administered Active Directory, Group Policy, Azure AD Connect and Microsoft 365 (Exchange, SCCM, SharePoint, Teams), enforcing identity governance and least-privilege access.
- Deployed and configured Fortinet appliances to secure the network perimeter, establishing site-to-site and remote-access VPN tunnels and enforcing traffic inspection policies to strengthen the organisation's security posture.

- Designed and deployed network failover solutions leveraging Spectranet connectivity, configuring hardware load balancers to ensure consistent traffic distribution and sustained network redundancy across the organisation.
- Integrated PRTG Network Monitor and WhatsUp Gold to deliver continuous visibility into network traffic patterns, capacity utilisation, and the overall health and integrity of the enterprise network.
- Responded to and contained security incidents including malware infections and unauthorised access attempts, documenting each resolution.
- Delivered Tier-3 support during critical network outages, conducting root cause analysis and coordinating technical escalations with ISPs to restore services promptly and minimise business disruption.
- Assessed existing infrastructure to define a forward-looking technical roadmap for future expansion, maintaining comprehensive documentation of ICT assets, incident records, and fault resolutions.

EDUCATION

Master of Cyber Security Engineering (Funded)

University of Technology Sydney | February 2024 - December 2025

Master of Artificial Intelligence Convergence Engineering (Funded)

Pukyong National University | August 2021 - August 2023

Bachelor of Engineering – Electrical/Electronic Engineering

Knara State University | August 2015 - May 2019

Diploma of Engineering – Electrical/Electronic Engineering

Knara State Polytechnic | August 2012 - September 2014

CORE TECHNICAL COMPETENCIES

Selected Cloud & Infrastructure

- AWS Platforms: VPC, EC2, S3, RDS, Lambda, ECS, EKS, CloudWatch, GuardDuty, CloudTrail, WAF
- Microsoft Cloud: Azure VNet, Azure Monitor, Entra application proxy, Intune, Microsoft 365 administration, Purview, Defender for Cloud Apps, Defender for Endpoint
- Infrastructure as Code & DevOps: Terraform, CloudFormation, Ansible, CI/CD (GitHub Actions, AWS CodePipeline)
- Architecture: Hybrid Cloud, Cloud Migration, Multi-AZ Architecture, Disaster Recovery Planning
- Programming & Automation: Python, C++, PowerShell, Bash

Security, Networking & Compliance

- Frameworks & Standards: Essential 8, ISO 27001, NIST 800-171/177, PCI DSS, GDPR
- Network & Perimeter Security: Palo Alto Networks, Fortinet, Checkpoint, WAF, Security Groups, Network ACLs
- Identity & Access Management: IAM/RBAC, MFA, Active Directory, Group Policy, Access Control Systems
- Networking Protocols & Tech: TCP/IP, DNS, DHCP, VLAN, SD-WAN, MPLS, Cisco, Aruba, Meraki
- Monitoring Tools: PRTG, WhatsUp Gold, Cacti

Systems & Virtualization

- Operating Systems: Linux (Ubuntu/RHEL), Windows Server (2016–2022)
- Virtualization & VDI: VMware vSphere/ESXi, Hyper-V, Virtual Desktop Infrastructure (VDI)
- Endpoint & Systems Management: SCCM, MDM

Service Management & Operations:

- Ticketing Systems: ServiceNow, Jira, Spiceworks

VENDOR CERTIFICATION

- Cisco Certified Network Associate [credly](#)
- AWS Certified Solution Architect Associate [credly](#)
- AWS Developer [credly](#)
- Terraform Associate [credly](#)
- AWS Certified Security Specialty [credly](#)

SCHOLARSHIP & RECOGNITION

- University of Technology Sydney (Postgraduate Academic Excellence International Scholarship)
- Korea Ministry of Education (Academic Certificate of Excellence)
- Korean Government Scholarship

SELECTED PUBLICATIONS

Design & Implementation of Data-Driven Defect and Linearity Assessment of EPS System

Journal of IoT and Convergence

[paper link](#)

A Deep Learning Approach to Anomaly Detection in an Electrical Power Steering System

Sensor Journal

[paper link](#)

Design and Implementation of EPS Defect Monitoring Platform

IEIE Conference

[paper link](#)

REFERENCES

Available upon request