

# Osaze Ehizojie

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Cybersecurity Architect | Cloud Security | Network Security Architect | Governance & Assurance Lead

## PROFILE

Accomplished **Cybersecurity & Cloud Security Specialist** with over 20+ years of hands-on experience in **enterprise security architecture, network design, and cloud governance** across financial services, healthcare, telecoms, and critical national infrastructure. Demonstrated success in leading complex projects across **Azure, AWS, and GCP**, implementing **Zscaler (ZIA/ZPA), SD-WAN, SASE, and Zero Trust** architectures. Equipped with core expertise **governance, assurance, and risk management frameworks** (NIST, ISO 27001, CIS, PCI DSS) and a strong track record in translating security strategy into technical outcomes. Renowned for being a trusted advisor, security evangelist, and transformation leader with outstanding stakeholder engagement skills.

## CORE COMPETENCIES

Cloud Security Architecture (AWS, Azure, GCP), CCSP, TOGAF, Zscaler ZIA/ZPA, SD-WAN, SASE Implementation  
Security Governance & Assurance (ISO 27001, SOC 2, NIST), Network Security (NSGs, Firewalls, NAC, VPN, VPCs),  
Identity & Access (IAM, PAM, SSO, MFA, AD, CyberArk), Risk & Compliance (PCI DSS, GDPR, DORA, CIS, CISSP domains), Vulnerability Mgmt. (Qualys, Nessus, Tenable, MDE), DevSecOps (Terraform, CI/CD, IaC Scanning, GitHub, Sentinel), SIEM & Monitoring (Splunk, Q-Radar, Sentinel, SolarWinds)  
AI Security | PKI | Cryptography | Zero Trust | Data Loss Prevention

## CERTIFICATIONS

**Certified Cloud Security Professional (CCSP) | Certified Ethical Hacker (CEH) | Systems Security Certified Practitioner (SSCP) | (CCNA/CCNP) | ISO 27001 Lead Auditor & ISMS Practitioner | AI Security & Governance | DSPM | GCP & Azure Security Architect (Trained - in view) | CISSP (3 attempts, in view)**

## SELECTED ACHIEVEMENTS

Hardened M365 & Azure environment, reducing attack surface by 60% via proactive remediation.  
Successfully realigned 250+ security designs for GCP and IBM cloud migrations.  
Delivered secure SD-WAN and SASE deployments across NHS, banking, and telecom sectors.  
Implemented Zscaler (ZIA/ZPA) with enterprise-wide Zero Trust and DLP policies.  
Conducted risk-based assurance for cloud migrations, achieving ISO 27001 & SOC 2 recertification.

## PROFESSIONAL EXPERIENCE

### Cyber Security Lead Architect – Northern Power Grid

Jun 2025 – Till date

Lead the enterprise security architecture across IT and OT environments within critical national infrastructure, defining secure-by-design standards, roadmaps, and governance aligned to NCSC CAF, ISO 27001, and Ofgem. Architected secure cloud platforms using Terraform and Git-based CI/CD pipelines, lead Zero Trust Network Access (ZTNA) with Palo alto, IAM/PAM, PKI, and micro-segmentation implementation. Directed threat modelling and security assurance across Palo Alto Global-Protect VPN, Prisma Proxy, GE radios, RTU, CIP, ICCP, ADMS, WACS, BT PRA systems, OCI and Azure platform. Implemented Azure Sentinel for centralised monitoring and SIEM integration across IT network and OT domains. Designed PKI, certificate lifecycle, and digital signature solutions, providing architectural guidance on HSMs, key vaults, and enterprise key management systems – in preparation for quantum safe environment. Provide strategic advisory leadership to architects and delivery teams, ensuring regulatory compliance, resilient infrastructure design, conformance and secure technology adoption across complex multi-stakeholder programmes. Defined and standardised enterprise security architecture and risk management frameworks across IT/OT programmes, driving consistent governance and security excellence. Established organisation-wide data classification and protection controls, ensuring consistent safeguarding of assets. Led a Security Architecture Review Forum with NESO to enforce SbD principles and assure security across projects. Provided strategic security architecture oversight across key transformation programmes, ensuring alignment with enterprise standards and regulatory requirements. Led cyber incident response plan, coordinating cross-functional teams and shaping OT response strategies for ransomware, supply chain, and disruption scenarios.

### Cyber Security Engineer – Smart Communications

Dec 2024 – May 2025

Improved SecOps through threat analysis and cloud-native tooling (Defender, Qualys).  
Delivered ISO 27001 & SOC2 compliance evidence packs.  
Monitored security alerts from SecureWorks/AlertLogic, which lead to remediation for vulnerabilities.  
Led AD and M365 security posture improvement using native and opensource tools – PS & AD Pro

Delivered a HLD for SIEM integration of different environments via public cloud using APIs.  
Managed centralized logging and threat detection with Azure Sentinel, enabling automated response and compliance.

**Cyber Security Strategy Lead** – Lloyds Banking Group Sept 2021 – Oct 2024

Delivered secure architectural designs for over 2000 application migrating between private and public cloud  
Directed IAM architecture & secure cloud app patterns over GCP, AWS and Azure – to achieve compliance  
Led security assurance for SaaS platforms (PEGA, Dynamics, Tanium, Zscaler).  
Created cloud governance models, using PCI DSS, GDPR, ISO 27001, NIST & DORA for compliance.  
Defined IAM standards across enterprise platforms and created security designs for CI/CD tool (UCD)  
Scoped and reviewed penetration tests, and tracked remediation progress  
Managed WAF policies to protect financial applications from exposure to application-layer attacks  
Provide architectural guidance for improving cypher suites, certificate lifecycle, and digital signature  
Design cyber recovery strategies, incident response & BC/DR in the event of a cyber-attack, across private and public cloud (Azure & AWS)

**Network Security Consultant** – ICBCS Aug 2020 – Sept 2021

Implemented SDN and secure multi-cloud connectivity via AWS TGW and ExpressRoute.  
Created and Implemented network design for GCP/Azure landing zones for workload migration  
Conducted cloud risk assessments and compliance analysis for workloads  
Led reviews across different vendor products - Checkpoint, Cisco NGFW, Juniper, Fortinet, Firepower & Huawei  
Setup AWS landing zone for public workloads, and led secure AWS migrations using EC2, VPC Lattice, Transit Gateway, and CloudWatch to ensure scalable, high-performance infrastructure.  
Automated infra rollout using Terraform and CI/CD (Jenkins), to accelerate migration timelines and reduce errors.  
Integrated F5 load balancers, Palo Alto, & Zscaler into cloud landing zones & enforce secure-by-design principles during migration.

**Network Security Consultant** – DWP & BUPA (Consultant) June 2019 – Aug 2020

Deployed NAC integration using ForeScout, for 40,000+ endpoints, and integrate perimeter security using Palo-alto  
Analysed and verified the routing path to migrate workloads securely from BT Cloud to SDX platform  
Implemented Fortinet firewall to protect against APT, ransomware and other attack vectors  
Implemented POC with Network Automation using Python and Netmiko – to fast-track deployment

**Network & Security Consultant** – ASI via Cognizant (Consultant) Mar 2018 – May 2019

Designed network segmentation and CyberArk integration with AD  
Deployed full-scale SIEM solution using Splunk and Nessus  
Performed security audits (ISO27001, MOJ), risk assessments, and policy enforcement  
Delivered risk mitigation strategies and cyber readiness reports  
Created HLD & LLDs, segmentation policies, and IAM designs for critical assets

**Network & Security Consultant** – HSBC BANK (Consultant) Mar 2016 – Dec 2017

Implemented the integration of SOLACE messaging infrastructure - saving the business over £100million  
Redesigned traffic flow for over 200 applications using F5 LBs, GSS (GLBP), and Cisco Nexus (2k, 5k, 7k, 9k)  
Enforced security policies and governance when migrating production applications using F5 LBs  
Analysed and implemented changes on Checkpoint GAIA R77 and R80 firewalls, resolving application issues on unpatched servers involving F5 appliances

**Network Security Consultant** - The Hut Group, MMU, CNRL (Contract) Dec 2014 – Jan 2016

Engineered campus-wide SIEM implementation using SolarWinds, IBM QRadar and Nagios – improving threat visibility across 40,000+ endpoints.  
Deployed NAC with Cisco ISE using 802.1x and MAB for BYOD across enterprise - significantly reducing unauthorised access events.  
Implemented centralised RBAC/ABAC across network devices, automating secure access  
Re-architected WAF and firewall solutions, including NetScaler ADC traffic steering and reconfiguration of Cisco ASA 5525X with Firepower, enhancing perimeter security and reducing false positives.  
Standardised backup config for critical devices (Cisco Nexus 5k/7k/9k, F5 LTM, NetScaler) using CatTools.  
Re-architected PKI to integrate end-user devices (EUDs), enabling secure authentication and encrypted access across the enterprise network.

**Network Security Architect** - Hewlett-Packard (Contract) - Jan 2014 – Dec 2014

Designed PKI frameworks (CA, digital signatures) in line with ISO 27001, PCI DSS, and GDPR controls.

Led stakeholder engagement among cross functional teams using agile methods to steer secure-by-design for integrating Palo Alto PA3050

Resolved over 500 application issues through advanced Wireshark packet analysis and cross-platform troubleshooting, in the £150m Addenbrookes NHS EPIC Go-Live migration.

**Network Consultant** - Subsea7 (Contract)

Oct 2012 – Dec 2013

Led a global network security optimisation and designed LLD for global WAN transformation

Delivered secure web/email perimeter protection via Symantec and McAfee endpoint integrations.

Deployed and managed F5 LTM/GTM and A10 AX3000 for HA, DR, and application-aware routing.

Supported enterprise virtualisation through VMware vSphere/ESXi clustering (HA & DRS) across geolocations.

## EDUCATION

**MSc, Business Information Security** – Edinburgh Napier University

**BEng, Electrical/Electronics Engineering** – Ambrose Alli University

**SAP ERP** – University of Duisburg-Essen

## TECH STACK

**Firewalls & Proxies:** Palo Alto, Cisco ASA, Fortinet, Checkpoint, Zscaler ZIA/ZPA

**Cloud:** AWS, Azure, GCP, IBM Cloud, PEGA SaaS

**Networking:** SD-WAN, SASE, Cisco Nexus, VPN, NSGs, UDRs, BGP, OSPF

**Tools:** Qualys, Nessus, Wireshark, Splunk, SolarWinds, ForeScout, Metasploit

**IaC & Automation:** Terraform, Python, Jenkins, GitHub, Ansible, Sentinel

**Platforms:** Microsoft 365, Active Directory, CyberArk, ServiceNow, Beyond Trust, SailPoint, Veracode

**SIEM & Monitoring:** Azure Sentinel, Q-Radar, Nagios, SolarWinds, Sophos, Alert Logic