Jeffrey Obi

Cybersecurity Analyst | (+234) 805 757 6345 | Lagos, Nigeria | jeffrey.o.obi@gmail.com | linkedin.com/in/jeffreyoo | jeffreyyyyo.github.io/Portfolio

Professional Summary

Detail-oriented Cybersecurity Analyst with hands-on experience securing simulated enterprise environments by deploying SIEM (Wazuh), implementing AWS cloud security services, configuring network hardware (Cisco 2960-24TT, MikroTik Routerboard), and implementing both enterprise and open-source security tools (Sophos, pfSense), aligning security operations with NDPA, NIST CSF and MITRE ATT&CK frameworks. Transitioning from a background in design and compliance, to focus on threat detection, network security, and incident analysis while backed by robust homelab experience and industry-standard certifications (CompTIA Security+, ISC2 CC).

Core Competencies & Tools

- **Security Operations:** SIEM (Wazuh), EDR/XDR (Sophos Central), IDS/IPS (Suricata), File Integrity Monitoring (FIM).
- **Network Security:** Network Architecture (Packet Tracer, Cisco IOS, Mikrotik RouterOS), Packet Analysis (Wireshark, tcpdump), Firewalls (Sophos, pfSense), VPN (WireGuard, Tailscale), VLANs, ACLs, Zero-Trust Architecture.
- **Cloud & OS:** AWS (EC2, CloudTrail, CloudWatch, Config, IAM), Linux (Kali, Ubuntu), Windows (Server 2022), Virtualization (VMware, VirtualBox).
- **Frameworks & Threat Intelligence:** MITRE ATT&CK, NIST CSF, NDPA, Cybercrime Act, OSINT, Phishing Analysis, Malware Analysis (VirusTotal, CyberChef).

Certifications & Education

- CompTIA: **Security+**
- ISC2: **Certified in Cybersecurity**
- Google: **Cybersecurity Professional Certificate**
- Fortinet: **NSE 2 Certified in Cybersecurity**
- AltSchool Africa: **Diploma in Cybersecurity**
- Covenant University: **Master of Science in Architecture**

Cybersecurity Projects (Homelab Experience)

- **AWS Cloud Monitoring and Alerting:** Built a continuous compliance pipeline using AWS Config and CloudTrail, detecting unauthorized access and triggering real-time alerts for simulated misconfigurations in under 30 seconds.

- **Wazuh SIEM Integration:** Deployed Wazuh SIEM servers across AWS EC2 and local VMware instances, configuring endpoint agents on 5+ devices to ensure 100% policy compliance and centralized log management. Configured custom detection rules mapped to the **MITRE ATT&CK** framework to monitor for brute force attempts and file integrity (FIM).
- **Firewall Deployment:** Deployed Sophos and pfSense virtual firewalls, configuring strict inbound/outbound traffic policies and web filtering to block 100% of simulated malicious traffic.
- **Packet & Traffic Analysis:** Analyzed 10,000+ packets using Wireshark and tcpdump to analyze HTTP/HTTPS connections, successfully isolating simulated DDoS attack signatures.
- **Phishing & Malware Analysis:** Investigated 20+ malicious emails in a sandbox using CyberChef, VirusTotal, and custom Python automation to extract indicators of compromise (IOCs), and then documented the findings for incident response.
- **Secure Network Architecture:** Designed enterprise network topologies using Cisco Packet Tracer, configuring secure remote access and applying ACLs to enforce strict communication permissions across 5+ VLANs.

Relevant Technical Experience

Cybersecurity Analyst — Independent Contracting, Nigeria.
June 2025 - Present

- **AltSchool Africa:** Built and managed a web-based cybersecurity study tool using HTML and GitHub Pages, supporting 100+ active student users with 100% uptime and zero security breaches.
- **Interland Transport Ltd:** Configured an ISP router (ZTE ZXHN) to create a separate throttled network segment for guests and a dedicated segment for office staff, improving network efficiency for official tasks and eliminating bandwidth theft.
- **Cathedral Church of the Pentecost:** Transformed a low-range flat network into a full-range segmented network, increasing building coverage by 300% and ensuring high availability by implementing a backup power supply.
- **Private Residential Client:** Configured and installed consumer-grade routers (Mikrotik & TP-Link) as wireless bridges in order to increase total coverage by 100%.

Additional Professional Experience

Technical Infrastructure & Compliance Consultant — Dakboss Ltd, Lekki Phase I, Lagos
October 2022 – June 2025

- Translated client requirements into technical blueprints for 10+ projects, ensuring 100% compliance with regulatory standards and physical security requirements.
- Conducted rigorous vendor capability assessments, reducing infrastructure implementation bottlenecks by 15%.

Systems Compliance Specialist — Greenville Liquefied Natural Gas Co. Ltd, Victoria Island, Lagos
June 2019 – September 2022

- Supported 45 large-scale infrastructure projects with a strict focus on systems design, security protocols, and compliance (ISO, NFPA).
- Ensured strict adherence to regulatory standards, deploying physical and operational risk mitigation practices that reduced year-to-year site incident reports by 20%.

Compliance Officer — Joe Faraday Limited, Banana Island, Lagos
February 2019 – June 2019

- Audited 6 production sites to verify execution of operational policies, cutting compliance reviews by 75%.