Nnamdi Philip Okonkwo

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PROFILE

Cybersecurity Analyst skilled in Cloud Computing, Malware Analysis and Detection, and Python Automation. Blend of SOC/NOC operations, compliance, and hands-on research (CVE guidance, DFIR).

SKILLS

Cloud and SecOps: AWS (EC2, IAM, S3), Microsoft Sentinel, ELK (Elasticsearch/Kibana/Filebeat), IDS/IPS, SIEM, OSINT (Maltego)
Languages: Python, Bash, PowerShell, SQL, C++
Security and Digital Forensics and Incident Recovery: CVE research, FTK Imager, HxD, Sleuth Kit (TSK), AML/CTF
Data and BI: Pandas, Jupyter, Excel/BI dashboards

PROJECT

AI-Driven Cloud Workload Protection on AWS (MEng Thesis) - Aug 2024 – Present

- Deployed red/blue lab on AWS (Attacker, Defender, Monitoring EC2s).
- Simulated reverse-shell with Metasploit and shipped Defender logs via Filebeat to Elasticsearch/Kibana.
- Trained malware classifier (UCI) and log anomaly detector (synthetic/adversarial) then fused to tri-level alerts.

EXPERIENCE

Cybersecurity Analyst | The Cyber Capsule | Remote | Dec 2023 – Present

- Built SecureChat (RSA + AES-GCM) for three-party messaging with mutual authentication and integrity with code and docs on GitHub.
- Wrote remediation guidance and PoC video for FUEL CMS RCE (CVE-2018-16763) and published on YouTube at cyberPNO.
- Performed dead file forensics using FTK Imager, HxD, and Sleuth Kit for demos and content.

Compliance and Risk Management Analyst | Flutterwave Inc | Lagos, Nigeria | Aug 2022 – Nov 2023

- Built Python BI dashboards that reduced manual reporting time by about 20 percent and improved risk visibility.
- Queried more than 20 million payment records with SQL to flag anomalies and prevent higher risk payouts.
- Delivered AML and CTF training to more than 200 staff and achieved about 95 percent policy adherence.

Security and Network Operations Analyst Intern | Dangote Ltd | Lagos, Nigeria | May 2021 – Jul 2021

- Monitored SOC and NOC dashboards for more than 500 endpoints, triaging about 1,200 events per month and maintaining 99.99 percent uptime.
- Tuned firewall and IDS rules, cutting false positives by about 30 percent and improving MTTR by about 25 percent.
- Automated monthly network health reports in Python, saving about 10 analyst hours per cycle.

EDUCATION

MEng, Cybersecurity | University of Limerick | Sep 2024 – Aug 2025 | QCA: 3.52/4.00
BEng, Electrical and Electronics Engineering | Covenant University | Sep 2017 – Aug 2022 | GPA: 3.72/4.00

CERTIFICATIONS

Comptia Security+ | Microsoft Azure Administrator | ISC2 CC | AWS Certified Cloud Practitioner

VOLUNTEERING

President's Volunteer Award (Gold) | University of Limerick | 2024 -2025