Kenneth Nnadi
Cyber Security Analyst
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SUMMARY

I am a proactive and dedicated cybersecurity professional and certified CISSP with extensive experience in system administration and security. I excel in implementing preventive measures to safeguard against internal and external threats, with expertise in networking, network and cloud security, incident response, risk management, security analysis, engineering and architectural design etc. My commitment to continuous learning drives my passion for helping organizations secure their digital assets effectively.

SKILLS

Incident Response: Advanced, **Ethical Hacking:** Experienced, **Threat Modeling**, **Vulnerability Management**, **Identity and Access Management**, **Application Security**, **Encryption, Risk Management**, **Network Security**, **Firewall Management**, **Intrusion Detection and Prevention Systems:** Suricata, Snort, **Monitoring and Logging:** Prometheus, Splunk, **Security Information and Event Management (SIEM):** Splunk, Nessus, IBM QRadar, **Active Directory:** AD, Entra ID, **Web Application Security:** Owasp ZAP, Burp Suite, **Cloud Security:** AWS Security, Microsoft Azure Security e.g. sentinel, Google Cloud Security, **Endpoint Security:** CrowdStrike, Symantec, **Container Security:** Docker, Kubernetes, **Programming Languages:** Python, R, C/C++, PowerShell, Bash, CSS, HTML, **Network Analysis Tools:** Wireshark, tcpdump, **Version Control Systems:** Git, **Operating Systems:** Linux, Windows Server, **Other Tools:** OpenVAS, Metasploit etc ---> **Soft Skills:** Leadership, Team Management, Time Management, Communication, Customer support. **Compliance Standards:** NIST SP 800-37 & 53 ISO 27001, SOX , PCI- DSS, HIPAA, GDPR etc

WORK EXPERIENCE

University of Oregon, Eugene, OR
Cyber Security Lab Analyst
08/2022 – 17/06/2024

- Taught and administered networking configuration, VLAN, network design, and architecture, including advanced topics in network.
- Delivered lectures and facilitated hands-on lab sessions for 80+ students, integrating Arduino humidity and temperature sensor projects
- Demonstrated and instructed on advanced cybersecurity tools (OWASP ZAP, Firewall proxy, IDS/IPS, SIEM (Nessus), OpenVAS, NGFW, VMWare, Wireshark, Endpoint Security XDR) to 100+ students.
- Taught Microsoft suites (Azure, Entra ID, Intune, 365, IoT Plug and Play, Microsoft Sentinel) and AWS security and IAM.
- Deployed and configured Azure Sentinel for SIEM, integrated security in CI/CD pipelines with Azure DevOps, and managed credentials using Azure Key Vault.
- Implemented Azure AD with MFA, Conditional Access, and PIM; designed secure VNets with NSGs, Azure Firewall, and WAF.
- Applied security hardening and patch management for Exchange Server, deployed advanced threat protection with Microsoft Defender for Office 365, and configured Exchange Online Protection for anti-spam and anti-malware defense in lab environments.
- Conducted and supervised OpenSSL exercises for PKI project and cryptography to 100+ senior students in the lab.
- Designed and implemented AWS security projects, including IAM roles and policies, CloudTrail for logging, and CloudWatch for monitoring and alerting and web hosting with EC2, S3, and Route 53 in the lab environment.
- Conducted vulnerability management automation using Tenable Nessus API and python for vulnerability analysis of Lab network in a lab environment

Springboard, San Francisco, CA
Cyber Security Bootcamp
06/2022 – 07/2023

- Engaged in over 380+ hours of immersive, hands-on course material, providing a comprehensive understanding of various aspects of cybersecurity.
- Benefited from personalized mentorship and guidance from industry experts, ensuring a valuable learning experience and professional oversight.
- Successfully completed an in-depth capstone project, showcasing the application of acquired knowledge and skills in a real-world scenario.
- Completed 35+ mini projects that provided practical, real-world context, enabling a deeper understanding of the cybersecurity landscape.
- Engaged in over 30+ labs that bridged theoretical concepts to practical implementation, enhancing proficiency in areas such as systems security, network security, vulnerability assessment, risk assessment, and more.

Jawura Environmental Services Limited, Port Harcourt, Nigeria
Security Vulnerability Specialist
04/2021 – 04/2022

- Conduct vulnerability scans using Nessus, Qualys, and Rapid7 Nexpose, reducing identification time by 50%.
- Oversee automated patch deployment with Ivanti and WSUS, reducing manual efforts by 30%.
- Analyze scan results with CVSS for risk-based prioritization, improving remediation efficiency by 40%.

- Manage automated patch management solutions, cutting deployment time by 60%.
- Utilize Qualys for continuous monitoring and assessment, reducing incident response time by 35%.
- Collaborate with IT and development teams for effective vulnerability remediation, decreasing security incidents by 20%.
- Ensure compliance with PCI-DSS and HIPAA through rigorous vulnerability management, reducing compliance costs by 25%.

A7 Konzult Nig LTD, Port Harcourt, Nigeria
System and Security Administrator
12/2019 – 03/2021

- Developed and enforced comprehensive security policies, resulting in a 30% reduction in security incidents.
- Configured and maintained LAN network, VlAN, network devices (routers, switches, firewalls) to ensure 99.9% network uptime.
- Managed Active Directory, Group Policy, DNS, DHCP, Terminal Services, FTP/IIS, Quest/One Identity Tools, KDC, Kerberos.
- Conducted regular security audits and vulnerability assessments, identifying and resolving critical issues.
- Designed and implemented backup and disaster recovery plans, minimizing data loss risk and ensuring business continuity.
- Managed and optimized security tools (Cisco ASA, Cisco IPS), improving threat detection and response times by 40%.
- Configured client's MikroTik routers with Radius, VPN, QoS, firewall, MPLS, BGP for optimized network performance and security.
- Implemented Prometheus and Splunk for monitoring and logging, enhancing threat detection efficiency by 60%.

Center for Information and Telecommunication Engineering, Port Harcourt, Nigeria
Network Engineering/Admin Internship
06/2018 – 01/2019

- Spearheaded efforts to test the ability of 1300+ email accounts to withstand phishing attempts within 48 hours on the job.
- Managed the company's DNS, email, VPN, and firewall infrastructure, achieving 100% uptime for SaaS offerings with 750+ users.
- Engineered and managed network architecture, including VLAN configuration, subnetting, firewall rule optimization, and monitoring using SNMP and Cisco network monitoring tools.
- Implemented advanced network security measures, including IDS/IPS deployment, VPN setup, and multi-factor authentication, enhancing overall security.
- Conducted regular network assessments, identifying and resolving security issues in 40+ custom application logic, preventing data exposure.
- Acquired in-depth knowledge and practical skills in Cisco switching and routing, implementing advanced network management techniques.
- Applied monitoring and troubleshooting methods for efficient network performance.
- Engaged in hands-on practical with networking, network design, network architecture, and security, completing the CISCO Cyber Security Essentials and CCNA course for comprehensive insights into network security and cyber risk mitigation.
- Provided technical support and troubleshooting for network-related issues, ensuring minimal downtime and optimal network performance.

EDUCATION

University of Oregon, Eugene, OR
Master's Degree — Computer Science/Cyber Security **GPA 3.79/4.0**
06/2022 - 06/2024

University of Port Harcourt, Port Harcourt, RV Bachelor's Degree — Computer Science
GPA 3.64/5.0
09/2015 - 11/2019

CERTIFICATIONS

- Certified Information Systems Security Professional (CISSP)click link
- CompTIA Security+ click link
- Springboard Cyber Security Bootcamp Certification click link

- Google Professional Data Analytics
- Microsoft Power BI for Data Analytics
- AWS Security and AZ 500 (in progress)

PROJECTS

- OpenVAS Vulnerability management using GVM API click here
- Short-lived Certificate in Zero Trust Model click here
- Network Intrusion Detection System Using Machine learning click here (*find other projects on my Portfolio)