JAMES OKEKE
IT Support and Cybersecurity Analyst

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Summary

IT Support and Cybersecurity Analyst with hands-on experience in setting up labs and conducting basic network analysis. Currently building strong foundational skills in ethical hacking and system security through practical training and guided projects. Known for being a curious learner, strong communicator and effective problem solver, passionate about securing systems, solving problems, and growing in the cybersecurity field.

Technical Skills

Tools & Technologies
- Nmap, Wireshack - *Intermediate*
- VirtualBox, pfSense - *Intermediate*
- Autopsy - Beginner-*Intermediate*
- HTML/CSS - *Intermediate*

Networking & Systems
- TCP/IP, DNS, DHCP, NAT - *Beginner Intermediate*
- Linux (Kali), Windows VM Management - *Intermediate*
- Firewall Rules - *Basic Understanding*

Cybersecurity Concepts
- Network Scanning, Service Enumeration - *Intermediate*
- Digital Forensics, Log Analysis - *Beginner Intermediate*
- Virtual Lab Setup - *Intermediate*

Projects

Virtual Cybersecurity Lab Setup

Description: Built and configured a secure virtual lab using VirtualBox, Kali Linux, and Windows 10 for hands-on cybersecurity practice.
- Configured network interfaces (NAT, DHCP, Host-only).
- Verified connectivity using ping tests and service scans.
- Performed shared folder access and Nmap-based service enumeration.
- Used tools like VirtualBox, Kali Linux, and Nmap.
- Strengthened practical skills in networking and basic system security.

Android Forensics Investigation using Autopsy

Description: Performed forensic analysis on a simulated Android device to uncover evidence of fraudulent activities using Autopsy.
- Analyzed a logical image file using Autopsy on the host machine.
- Extracted SMS, call logs, contact lists, installed apps, and web history.
- Discovered incriminating messages, fake investment plans, and crypto scam materials.
- Identified suspicious files, including scam letters and altered images.
- Used tools like Autopsy, ALEAPP module, and keyword search.
- Strengthened skills in digital forensics, evidence collection, and reporting.

Virtual Firewall Implementation with pfSense

Description: Set up and configured a pfSense virtual firewall to control and monitor traffic between Kali Linux and Windows virtual machines.

- Installed pfSense on a VirtualBox VM with proper WAN/LAN interface configuration.
- Routed Kali and Windows VMs through the firewall using DHCP.
- Verified IP address assignments and DNS functionality through pfSense.
- Created and tested firewall rules to block ICMP traffic from Kali to Windows.
- Explored pfSense web GUI for traffic inspection and logging.
- Tools used: pfSense, VirtualBox, Kali Linux, Windows 10.
- Gained hands-on understanding of firewall concepts, segmentation, and network monitoring.

Work Experience

IT Support Specialist - Education Sector   *2022 - 2024*

Lincoln City College - Lagos, Nigeria

- Managed online examinations for 600+ students across 3 digital platforms (EDVES, BRAINFRIEND, KLACIFY), ensuring 90% issue-free exam sessions.
- Delivered on-demand technical support to staff and students, resolving most issues within 1 hour.
- Collaborated with 20+ teachers to upload and organize exam materials for timely assessments.
- Processed and analyzed student results with 90% accuracy, helping improve grading workflows.
- Maintained the school's computer network and reduced system downtime by over 30%.

Education

B.Sc. Pure Chemistry   *2015 - 2018*

University of Benin, Edo State, Nigeria.

Second Class Upper

Certifications

Cybersecurity Training Program   *2025*
Digital Skills Africa (DSA) & The Incubator Hub
- Hands-on lab-based training in network scanning (Nmap), Android forensics (Autopsy), and firewall implementation (pfSense).

Frontend Web Development   *2022*
Zuri x Ingressive4Good
- Gained foundational knowledge of web technologies and design structure.

Customer Service, Project Management, HSE 1, 2, 3   *2021*
Skills Edge Consulting Limited, Abuja
- Built professional soft skills in communication, teamwork, planning, and safety.

Computer Hardware & Software Maintenance   *2019*
Lagos State Vocational and Skills Acquisition Centre
- Trained in PC assembly, software installation, troubleshooting.

References

References available on request