Susan Nasirumbi Mukhule

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SUMMARY

Information Systems Security Specialist with 6+ years of experience in cyber defense, vulnerability management, incident response, and regulatory compliance. Skilled in protecting enterprise networks, cloud platforms, and sensitive data through advanced monitoring, threat intelligence, and frameworks (NIST, ISO 27001, CIS Controls). Proven ability to reduce risk exposure, enhance resilience, and support compliance with international regulations (HIPAA, PCI-DSS, GDPR).

KEY SKILLS

• Security Tools: Wireshark, Kali Linux, Cisco Firewalls, Snort IDS/IPS

• Cybersecurity Frameworks: NIST, ISO 27001, COBIT, Zero Trust

• Cloud Security: AWS, Office 365 Security

• Core Competencies: Incident response and vulnerability assessment

• Governance, Risk & Compliance: HIPAA, PCI-DSS, GDPR, Data Privacy & Protection Laws

• Soft Skills: Security Awareness Training, Documentation, Team Collaboration, Client Engagement

EDUCATION

Master of Science in Information Security – United States International University Africa, Kenya (December 2024).

Bachelor of Science in Telecommunications – Strathmore University, Kenya (June 2018).

WORK EXPERIENCE

WS Insight – Security Technician (Aug 2020 – Feb 2025)

• Conducted vulnerability assessments, risk analyses, and implemented advanced security systems (CCTV, access control, intrusion detection, cyber-physical surveillance).

• Responded to 150+ weekly SIEM alerts, reducing false positives by 30% through proactive tuning and incident triage.

• Collaborated with IT and security teams to monitor network traffic in real time, reducing incident response time significantly.

• Ensured compliance with data protection laws, confidentiality policies, and security frameworks.

Amiran Communications – Presales & Technical Engineer (Feb 2019 – May 2020)

• Designed secure Wi-Fi networks, implementing encryption and access controls against cyber threats.

• Supported incident response with root cause analysis and corrective actions, minimizing downtime.

• Delivered client product training and security awareness sessions, strengthening IT defence posture.

Huawei Technologies – Intern (Network & Cloud Security) (Oct 2018 – Jan 2019)

• Assisted in implementing cloud security projects, including network segmentation and access control.

• Managed user permissions under least privilege principles, securing sensitive data from unauthorized access.

• Performed regular system backups and audits to strengthen data availability and compliance.

Safaricom PLC – Intern, Network Operations Center (Feb – Apr 2017)

• Monitored critical telecom infrastructure, detecting and escalating threats across data, voice, and SMS networks.

• Conducted security audits and risk assessments, identifying control weaknesses and recommending improvements.

REFERENCES
Available upon request.