MARTIN KATIKU MUNYAO

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SUMMARY

Cybersecurity Engineer with 1+ year of hands-on experience through internships and bootcamps. Skilled in secure network design and threat-mitigation strategies. Proven ability to collaborate cross-functionally for scalable solutions. Continuously advancing skills with certifications and projects in emerging technologies. Passionate about enhancing organizational security through adaptive problem-solving and proactive learning.

SKILLS

- SECURITY & COMPLIANCE: Security Auditing, Risk Assessment, Threat Intelligence, Vulnerability Management, Incident Response.
- CYBERSECURITY TOOLS & FRAMEWORKS: SIEM (Splunk, Wazuh), SOAR (Shuffle), MITRE ATT&CK, OWASP Top 10, ATLAS Framework, ELK stack
- CLOUD & VIRTUALIZATION: Microsoft Azure Administration (SC-900, AZ-104 in progress), VirtualBox
- SCRIPTING & DEVELOPMENT: Python, Bash, Django, HTML, CSS
- DATA & MONITORING: Grafana Dashboards, MySQL, Enterprise Security Monitoring
- GOVERNANCE & REGULATIONS: GDPR, HIPAA, Kenya Data Protection Act

EDUCATION

UNIVERSITY OF NAIROBI| **Nairobi , Kenya**

BSc in Electrical And Electronic Engineering   *Graduated 2024*

Relevant coursework: Applied Electronics , Control Engineering , Computer science , Digital Electronics

PROFESSIONAL EXPERIENCE

M-PESA AFRICA | **Nairobi, Kenya**

Service Observability Engineering Intern   *July 2025 - Present*

- Leading full-stack development of Service Operation Acceleration Portal (SOAP) using Node.js, Python, and React.js to streamline service operations and enhance data-driven decision-making across M-PESA Africa through real-time dashboards and KPI visualization
- Designing and implementing enterprise monitoring infrastructure while integrating Grafana, Dynatrace , ELK Stack, and Datadog to track system performance, configure critical alert thresholds, and apply machine learning models for anomaly detection and operational forecasting.
- Collaborating in cross-functional agile teams throughout the complete development lifecycle, conducting User Acceptance Testing, stakeholder demos, and maintaining comprehensive technical documentation while ensuring successful production deployment and knowledge transfer

CYBER SHUJAA PROGRAM| **Nairobi , Kenya**

Security Engineering Scholarship   *April 2025 - August 2025*

- Developed expertise in cloud security governance, identity management, and compliance within Microsoft Azure environments aligned with security frameworks.
- Prepared for Microsoft SC-900 and AZ-104 certifications, focusing on security compliance auditing, risk assessment, and operational security controls.
- Collaborated in structured training to strengthen skills in security incident response and service management processes.

CYBERAGE TECHNOLOGIES| **Nairobi , Kenya**

Software Engineer- Internship   *June 2024 - November 2024*

- Engineered an AI-powered content automation system improving operational efficiency by over 50%, demonstrating process optimization and automation best practices.
- Acted as SOC Analyst, conducting real-time threat detection and delivering actionable security reports using Grafana dashboards integrated with Wazuh XDR.
- Enhanced cybersecurity readiness by monitoring security events, analyzing vulnerabilities, and contributing to incident documentation and reporting workflows.

MASTERCARD VIRTUAL EXPERIENCE PROGRAM| **Forage**

Cybersecurity Intern   *July 2024*

- Identified phishing threats and developed targeted cybersecurity awareness training, reducing organizational risk and improving compliance with security policies.
- Designed security training modules focused on vulnerability management and incident response aligned with IT service management principles.

AIG SHIELDS UP:VIRTUAL EXPERIENCE PROGRAM| **Forage**

Cybersecurity Intern   *July 2024*

- Conducted vulnerability research and provided remediation guidance, supporting timely risk mitigation aligned with organizational security standards.
- Developed and tested ethical hacking tools using Python to simulate ransomware attack scenarios, enhancing threat intelligence and operational response capabilities.

HUAWEI CYBERSECURITY BOOTCAMP| **Naivasha , Kenya**

Finalist - 2nd place   *Aug 2022 - Oct 2022*

- Competed in configuring network security devices (routers, firewalls, switches) in simulation labs, improving network resilience and incident response readiness.
- Completed the HCIA-Security Course, gaining an in-depth understanding of network security principles and demonstrating practical expertise through competitive team-based scenarios.

GEARBOX ACADEMY| **Nairobi , Kenya**

Engineering Intern   *Apr 2022 - Aug 2022*

- Designed biometric access control systems improving physical security management by 30%.
- Developed user-friendly configuration interfaces using Django, enhancing system usability and operational efficiency.

TRAININGS AND CERTIFICATIONS

- MICROSOFT SC-900: SECURITY, COMPLIANCE, AND IDENTITY FUNDAMENTALS.
- MICROSOFT AZ-104: AZURE ADMINISTRATOR ASSOCIATE-(*in progress*)
- (ISC)2 CERTIFIED IN CYBERSECURITY
- FORTINET CERTIFIED FUNDAMENTALS CYBERSECURITY
- QUALYS VULNERABILITY MANAGEMENT FOUNDATIONS
- SPLUNK INTRODUCTION TO ENTERPRISE SECURITY
- FOUNDATIONS OF AI SECURITY - *MITRE- AttackIQ Academy*
- FOUNDATIONS OF OPERATIONALIZING MITRE ATT&CK V13 - *MITRE- AttackIQ Academy*
- CIPIT DATA PROTECTION COURSE - *Strathmore University*

PROJECTS

SOC AUTOMATION HOME LAB.

- Developed a home-based SOC automation lab simulating real-world security scenarios; utilized Wazuh (SIEM/XDR), TheHive (case management), and Shuffle (orchestration) to automate incident response and improve threat detection efficiency.

VOLUNTEER EXPERIENCE

THE YOUPRENUERS ORGANISATION| **Nairobi , Kenya**

Volunteer - Secretary   **Jan 2019 - Present**

- Co-founded a community-based youth organization in Nairobi's Umoja neighborhood to empower underserved local youth.
- Established a volunteer-led program that provided career readiness training to 150 recent high school graduates, increasing proficiency in understanding the basics of STEM courses by 30%.