

SAMUEL KIMWELE MBAI

B.Sc IT, AWS Certified

Cybersecurity | Ethical hacker | Information security | Security risk management | Network Security

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Professional Profile

I am a cybersecurity-focused IT professional with expertise in network security, IT support, system administration, and cloud technologies. Holding certifications in AWS Cloud Practitioner, CCNA 1, Junior Cybersecurity (Cisco Networking Academy), and Google IT Support, I have a strong foundation in troubleshooting, infrastructure management, and implementing security best practices.

I have also completed the NetAcad Ethical Hacker course, enhancing my skills in penetration testing, threat mitigation, and vulnerability assessment. As an active participant in CyberShujaa mentorship programs, I continuously refine my hands-on skills and stay updated on emerging cybersecurity threats, AI-driven security solutions, and cloud security best practices.

I am eager to apply my technical expertise to secure digital infrastructure, optimize IT operations, and drive cybersecurity resilience in dynamic environments.

Career Summary/Experience

Part-time : *“January 2023 – May 2024 ICT Service Manager – GC ICT Hub and Computer Training Centre, Eldoret, Kenya.”*

Duties and Responsibilities;

- **System Administration & Security:** Installed and configured Windows and Linux operating systems across desktops and laptops, enhancing system security and optimizing user productivity.
- **User Support & Training:** Provided technical support and trained users in cybersecurity best practices, improving system usage and awareness of data protection protocols.
- **Network Management:** Managed and secured Wi-Fi networks, enforcing security protocols to prevent unauthorized access and mitigate cyber threats.
- **Data Protection & Compliance:** Oversaw user account management and secure email services, ensuring compliance with data protection regulations and safeguarding sensitive hospital data.
- **IT Support for Online Services:** Assisted users in accessing and securing online services such as KRA and HELB applications, minimizing risks associated with sensitive data handling.
- **Software Maintenance & Security Updates:** Regularly updated software to eliminate vulnerabilities, enabled security features, and ensured optimal system performance.
- **Data Backup & Recovery:** Implemented regular data backups and securely stored backup files in external storage to prevent data loss and ensure business continuity.

“May 2023 – July 2023 ICT Attaché – Kitui County Government, Kitui, Kenya.”

Duties and Responsibilities;

- IT System Management: Managed computer hardware and software, ensuring optimal performance and security through regular updates and security patches to mitigate vulnerabilities.
- Technical Support & Troubleshooting: Provided IT support across departments, resolving computer and printer issues, minimizing downtime, and improving workflow efficiency.
- Network Administration & Security: Implemented network security measures, including secure Wi-Fi setups, to protect sensitive hospital data and prevent unauthorized access.
- Service Desk & User Support: Handled front office IT support and customer care, ensuring a secure and efficient service desk while safeguarding user data.
- Operating System Installation & Configuration: Installed and configured Windows, Linux, and Microsoft Office Suite, ensuring secure system setups to prevent cybersecurity threats.
- Departmental IT Support: Delivered comprehensive IT support to various departments, ensuring seamless technology operations and troubleshooting critical issues.

Professional Development and Certification

2024 – Amazon Web services: AWS Cloud Practitioner

2024 - CCNA 1 (Cisco Networking Academy)

2024 - Junior Cybersecurity Certification (Cisco Networking Academy)

2025 - Google IT Support Certification

2025 - Google Cybersecurity Certification – In Progress (Expected Completion: April 2025)

2025 - Ethical hacking(Cisco Networking Academy)

Relevant Short Courses

COURSE:	INSTITUTION	PERIOD:
Software Engineering	Power Learn Project	FEB 2025 - MAY 2025
Modules Covered:		
<ul style="list-style-type: none">• Software engineering essentials• Python• Web development V2• Database desogn and programming with SQL		

Education and Qualifications

Bachelor of Science, Information Technology - Second Class Honours(UPPER DIVISION)

University of Eldoret, Faculty of Science

Project:

- Students' Hub Android application(for management of students' associations)

Co-curriculum activities:

- Captain and founder of FC C1 Football club
- Member of University of Eldoret Computer Studies Club (UOECSC)

Skills and competency

- Cybersecurity
- Ethical Hacking
- Threat Detection
- Vulnerability Assessment
- Penetration Testing
- Social Engineering
- Incident Response
- Risk Assessment
- Security Controls
- Governance
- Network Security
- Cloud Computing (AWS)
- Digital Identity Management
- Information Security Analysis
- Information Privacy
- Security Risk Management
- AI & Emerging Tech
- Digital Forensics
- Python

References

Available on request.