

Washington Mugo

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Location: Nyeri, Kenya

Professional Summary

Highly skilled and analytical Information Technology Specialist, Systems Architect, and Cyber Security professional with over 8 years of diverse experience spanning IT support, network administration, and enterprise security architecture. Proven track record as a CISO and Security Co-Founder, designing next-generation security application deployments and infrastructure solutions. Proficient in vulnerability assessments, security monitoring, and designing network defenses. Combines deep technical expertise in systems, programming, and databases with leadership experience to robustly protect organizational infrastructure and ensure business continuity.

Core Technical Skills

- **Security & Operations:** Cybersecurity Operations, Incident Response, Vulnerability Assessments, Ethical Hacking, Systems Security Consultations.
- **Networking & Infrastructure:** TCP/IP, Routing & Switching, Firewalls, VPN deployments, Intranet Installations, Network Maintenance.
- **Systems Administration:** Windows & Linux OS administration, Active Directory support, Computer Servicing, Hardware/Software Troubleshooting, Identity & Access Management.
- **Technologies & Code:** Java, Python, C, C++, HTML, CSS, JavaScript, MySQL, PHP.

Professional Experience

HCISS, LLC (BSECAEnergy) | Illinois, United States (Remote) *CSO, Chief Architect & Co-Founder* | 08/2020 – Present

- Serve as Chief BSECAaaS Architect, responsible for designing, implementing, and managing next-generation enterprise security application deployments.
- Innovate and propose next-gen secure architecture and blockchain solutions to safeguard client data and infrastructure.
- Foster a collaborative environment among global team members, spearheading innovative security solutions that drastically improved client project safety and delivery timelines.
- Deliver complex technical insight, threat landscape reports, and security infrastructure advice to the executive team.

Web Custodian | Kenya *Solutions Architect & Lead Developer* | 08/2020 – Present

- Provide advanced consultation services relating to site architecture, application performance, and security enhancements.

- Manage secure website hosting environments, server management, and ad hoc technical support pipelines.

Bytecom Enterprise LTD | Kenya *Information Technology Consultant* | 08/2017 – 08/2020

- Provided comprehensive Systems Security Consultations and implemented organizational network/infrastructure protections.
- Executed end-to-end Intranet installations, router configurations, and network maintenance for corporate and institutional clients.
- Delivered expert IT hardware servicing, desktop/server maintenance, and hardware troubleshooting to minimize operational downtime.
- Deployed and maintained full-stack web architectures, ensuring secure data handling and system defenses.

Nation Campus | Nyeri, Kenya *IT Technician and Tutor* | 01/2019 – 06/2020

- Tutored advanced technical concepts including Introduction to Networking, Systems Administration, and Security Fundamentals.
- Provided hands-on instruction in database environments (MySQL, PHP, MS Access) and core development languages (Java, Python, C++).
- Maintained campus IT infrastructure, managing local systems, computer configurations, and Microsoft Office environments.

Team Publicity Africa | Kenya *Project Development Manager & Backend Developer* | 01/2017 – 12/2019

- Led client project management lifecycles, ensuring secure backend application deployment and strong authentication mechanisms.
- Evaluated technical talent, performing interviews for hiring engineering teams.

Jammat Consultants | Nyeri, Kenya *Researcher & IT Specialist* | 04/2016 – 09/2017

- Delivered comprehensive IT support, managing local area networks (LAN) and hardware/software optimization.
- Conducted deep data analysis, presented technical findings, and authored comprehensive whitepapers and technical documentation.

Kenya Scouts Association | Nyeri, Kenya *IT Support Personnel (Academic Attachment)* | 01/2017 – 04/2017

- Managed the maintenance, troubleshooting, and repair of organization computers, servers, and related network peripherals.
- Administered company databases and spearheaded a project focused on files/records digital transformation and security management.
- Handled the client technical helpdesk, resolving immediate system, software, and login issues.

Education

Bachelor of Science in Information Technology Dedan Kimathi University of Technology (DeKUT), Nyeri, Kenya | 01/2015 – 01/2018

Certifications & Professional Training

- **Certified Ethical Hacker (CEH)** | Data to Information College
- **Ethical Hacking Certificate** | Udemy
- **Cisco Cybersecurity Certification** (CyberOps / Networking Fundamentals) | Cisco
- **NDG Linux Essentials** | Network Development Group / Cisco Networking Academy

Languages

- English (Fluent)
- Swahili (Fluent)