

Valentine Seith Abayo

Cyber Security and Network Engineer

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🐙 GitHub 🐦 Twitter

PROFILE

A tech enthusiast, open-minded willing to learn and grow my career. I aim to support businesses and management in such a way that my technical skills, initiative, and understanding of Information Technology will be able to provide client-driven solutions. I am also aiming to apply my knowledge and skills to ensure the success of the organization as well as cultivate commitment, hard work, and transparency as pillars of my career growth.

EDUCATION

BSC. Business Computing

Jommo Kenyatta University of Agriculture and Technology

Bachelor of Science in Business Computing is an emerging course in the field of IT. I was able to learn various concepts in technology i.e Network Administration, Cloud Computing, Database management systems, Programming, web development, etc. One good thing about this course is that it bridges IT and the field of business, so I was able to learn how to apply the skills acquired in technical studies to solve various problems in society from a business perspective. This course equipped me with knowledge of Marketing, Innovation and Technology Transfer, organizational behavior, accounting, etc.

08/2016 – 04/2021
Nairobi, Kenya

WORK EXPERIENCE

Reliance DataTech Limited

Cyber Security and Network Engineer

I offer Enterprise Networking solutions such as network revamping, setting up Network communication components. I create network designs and architecture and configure reliable high-performing Enterprise networks both on-premises and in the cloud.

I offer Enterprise Cyber Security solutions such as Incident Response, VAPT, security operations analysis, Network level security, infrastructure security, and cloud security posture management.

12/2021 – present
Nairobi, Kenya

Kenya Airports Authority

Information Technology Support Engineer (Internship)

Facilitated and participated in troubleshooting computer systems within the airport enterprise environment, conducted Network Administration tasks, and operational maintenance of airport systems such as Flights Information Systems (FIS), Airport Operational databases (AOD), Assure ID enterprise, etc.

10/2019 – 01/2020
Kisumu, Kenya

PROFESSIONAL SKILLS

Enterprise Networking

Designing and implementing network architectures for large organizations, including WANs, LANs, and VPNs, to ensure optimal performance and reliability.

Optimizing network performance and throughput through capacity planning, traffic management, and QoS implementation.

Configuring network security measures, such as firewalls, IDS/IPS, and access controls, to protect against unauthorized access and cyber threats.

Diagnose and resolve complex network issues and provide technical support to end-users and other IT teams.

Knowledge of cloud networking technologies, such as Azure Virtual Network, and experience in designing and implementing hybrid cloud networking solutions.

Automating network tasks using scripting languages, APIs, and network automation tools, such as Ansible and Puppet, to improve network efficiency and reduce operational costs.

Proficient in creating technical documentation, including network diagrams, standard operating procedures (SOPs), and knowledge base articles, to facilitate knowledge sharing and improve network documentation.

Enterprise Cyber Security

Implementing network security protocols, such as firewalls, intrusion detection and prevention systems, and access controls, to safeguard against cyber attacks and prevent unauthorized access to sensitive data.

Identifying and mitigating network vulnerabilities, such as those posed by outdated software or misconfigured network devices.

Knowledge of compliance standards, such as the Payment Card Industry Data Security Standard (PCI DSS) or the General Data Protection Regulation (GDPR), and ensuring that network security measures align with these requirements.

Analyzing cyber threats and vulnerabilities to identify potential security risks and develop strategies to mitigate them.

Managing security incidents, including containment, investigation, and resolution, to minimize the impact of cybersecurity breaches and prevent future incidents.

Managing and leading security operations center (SOC) teams to detect, investigate, and respond to cyber threats.

Expertise in identifying and assessing cybersecurity risks, and implementing risk management strategies to protect the organization's critical assets and information.

Develop and implement security policies, standards, and procedures to ensure compliance with industry regulations and best practices.

Knowledge of security assessment and testing methodologies, such as vulnerability scanning, penetration testing, and red teaming, to identify weaknesses in network security and infrastructure.

Keeping up-to-date with emerging cybersecurity technologies, such as artificial intelligence (AI), machine learning (ML), and blockchain, and their potential applications in enhancing enterprise security.

Python Programming

Proficient in the Python programming language, including knowledge of core concepts such as data types, control structures, and object-oriented programming (OOP).

Proficiency in using Python for scripting and automating routine tasks, such as file operations, data parsing, and system administration.

Experience in using Python libraries such as SQLAlchemy and PyMySQL to interact with databases, including CRUD operations and data manipulation.

Knowledge of code version control tools such as Git for collaborative development and managing code changes.

Proficient in creating technical documentation, such as code comments, API documentation, and user guides, to facilitate knowledge sharing and collaboration.

Linux Administration

Expertise in Linux system administration, including installation, configuration, and maintenance of Linux servers and desktops.

Proficient in using the Linux command line interface (CLI) for system administration tasks, including file management, process monitoring, and system troubleshooting.

Expertise in configuring and maintaining Linux system security, including implementing access controls, firewalls, and intrusion detection and prevention systems (IDS/IPS).

Experience in Linux network administration, including configuring network interfaces, implementing network services, and troubleshooting network issues.

Proficient in shell scripting using Bash, Python, and other scripting languages to automate routine tasks, such as backups, system monitoring, and software installations.

Knowledge of Linux-based virtualization technologies, such as KVM, VirtualBox, and Docker, and experience in deploying and managing virtual machines and containers.

Experience in Linux-based cloud computing, including deploying and managing Linux servers and applications on cloud platforms such as Azure.

Ability to optimize Linux system performance, including CPU, memory, disk, and network utilization, through capacity planning, tuning, and monitoring.

Proficient in creating technical documentation, such as system configurations, standard operating procedures (SOPs), and user guides, to facilitate knowledge sharing and collaboration.

REFERENCES

Ricardo Seda, *ICT Support Engineer*, Kenya Airports Authority
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