

James Kinga Nyoro

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PROFILE SUMMARY

Experienced Cloud Systems and Networks Engineer with a demonstrated history of working in the information technology and communication industry. Skilled in Network, Cloud and Systems administration with demonstrated experience in Microsoft Azure, AWS, OCI, GCP, Automation & Scripting (Python and Bash), Active Directory, Docker, Kubernetes, Windows Server, Microsoft 365 and Linux Servers. My passion lies in building scalable and efficient software solutions while continuously expanding my knowledge in these technologies.

CERTIFICATIONS AND BADGES

- **Oracle Cloud Infrastructure DevOps Certified Professional (1Z0-1109-23)** - Sept 2023
- **Oracle Cloud Infrastructure MultiCloud Architect Certified Associate (1Z0-1115-23)** - Sept 2022
- **Mimecast Certified, Secure Email Gateway - Level 1 Warrior Certification** - December 2022
- **AWS Certified Cloud Practitioner (CLF-C01)** - January 2022
- **CCNA: Switching, Routing, and Wireless Essentials (Badge)** - May 2021
- **Aviatrix Certified Engineer - Multi-Cloud Network Associate (Certification)** - Sept 2020
- **Juniper Networks Certified Associate, Automation and DevOps (JNCIA-DevOps)** - July 2020

SKILLS

- **Cloud Operations, architecture, and administration:** Experienced in operationalizing, designing and administration in the common cloud vendors, Microsoft Azure, AWS and GCP.
- **Programming and Scripting Languages:** Python, JavaScript (ES6), SQL, Bash.
- **Frameworks:** Flask, FastAPI, React, Node.js, Django.
- **Tools and skills:** Git, GitHub, Docker, AWS (S3 Bucket, Route 53, CloudFront CDN, AWS Lambda, Azure, Terraform, Vercel, MySQL, MongoDB, Linux, Rest APIs, CI/CD, Manual and Automated testing.
- **IT Management:** I have knowledge of ITIL, Six Sigma, and Site Reliability Engineering principles and practices principles.
- **Network Administration:** Capable of ensuring network security using FortiGate firewalls, CISCO Devices administration, creating and managing VPN tunnels and accounts, network load balancing and network security and creating HA network.

EXPERIENCE

Collaboration Engineer at [NCBA Group](#)

November 2022 - Present

- Solid proficiency in Microsoft: Azure Active Directory, Microsoft 365 Administration, Exchange Online and Exchange On-premise.
- Collaborating with backend developers to integrate email interfaces with on-premise and internet facing applications.
- Develop technology processes for automating repetitive tasks and empowering the Contact Center and Service Desk professionals to resolve more calls on first contact.
- Experience with virtualization and virtual environments, particularly VMWare.
- Design, configure, monitor, and support the Email (Microsoft Exchange and Microsoft 365) Systems for the entire organization.
- Documenting software systems: responsible for documenting software systems, including low-level architecture diagrams, creating user manuals and technical documentation.

Network Engineer at [NCBA Group](#)

April 2022 - December 2022

- Manage and administer the Bank's Network Infrastructure and Services including Software Defined Wide Area Networks, Routers, Switches, Firewalls, Access Lists etc.
- Collaborating with the cyber security team to develop Python scripts for network access control (NAC) coverage to determine compliant and noncompliant network interfaces and ports.
- Organize and conduct upgrades and preventative maintenance bring together different vendors without deterring others from completing their own work.

- Experience performing regular maintenance to ensure the system is secure, and healthy using monitoring tools such as Solarwinds etc.

Software Engineering Apprentice at [ALX Africa](#)

February 2021 - March 2022

- Organize and participate in peer coding sessions to teach and learn key software development concepts and technical skills in a collaborative manner.
- Contributing to developing comprehensive courses tailored to meet the needs of learners at different levels, from beginners to advanced learners.

IT Support Intern at [KPLC](#)

June 2019 - September 2019

- Set up computer networks using technologies including TCP/IP, NAT, DNS, DHCP, VLAN, etc.
- Technical support for network and endpoint issues including switch, router, and wireless access point.
- Provided endpoint support and guidance on software installation and configuration best practices to staff's specific infrastructure requirements.

Network Optimization Engineering Intern at [Safaricom PLC](#)

June 2018 - Nov 2018

- Configure and optimize over 50 3G and 4G sites during the major 2018 Basestation rollout in a coordinated team effort with the support of Huawei, Nokia and Ericsson engineers using U2000 among other tools.
- Configure and troubleshoot Unix/Linux based transceivers and controllers including Nokia BSCs and Huawei RNCs/BSCs using the terminal and bash scripts.
- Analytical and problem-solving ability to swiftly evaluate requests and incidents.

PROJECTS

[Personal Website](#) - A personal portfolio and blog built using React, HTML, CSS and hosted on Vercel integrated with continuous integration and continuous deployment.

[To Do Web Application](#) - A to do application developed using React, JavaScript, HTML and CSS integrated with automatic build and deployment using Vercel.

[The Cloud Resume Challenge](#) - Applied HTML, CSS, SASS, and JavaScript to create a resume. Used a variety of AWS services and technologies for different functionalities. These included: S3 Bucket, Route 53, CloudFront CDN, AWS Lambda, API Gateway, and DynamoDB. The goal of the challenge was to develop a website running on serverless cloud infrastructure and building a CI/CD pipeline.

[Airbnb Clone](#) - A clone of the Airbnb Website developed to practice and firm up on HTML, CSS, JavaScript, tools and concepts such as command interpreter, static and dynamic front-end website, MySQL, Python, Web Server using Flask and RESTful APIs, Serialization/Deserialization and unit testing.

BASIC EDUCATION

Bachelor of Telecommunication and Information Engineering September 2015 - December 2021

- Jomo Kenyatta University of Agriculture and Technology

Kenya Certificate of Secondary Education January 2011 - November 2014

- Murang'a High School

LEADERSHIP AND COMMUNITY INVOLVEMENT

Contributor and Author at Twitter Developer Community Kenya and Lux Tech Academy September 2021 - Present

- I simplify and write about technical concepts such as Python, Docker, and web development to promote easy comprehension.

REFEREES

Eng. James Kimeu

- Email: JKimeu@safaricom.co.ke
- Transmission Support Engineer, Safaricom PLC

Brunner Kibali Toywa

- Email: brunnerkibali@gmail.com
- Cybersecurity Technical Solutions Architect, Dimension Data