

# KAMLESH NYANDEKE

Network / Cloud Engineer • Nairobi • +254791231178 • [nyandek@gmail.com](mailto:nyandek@gmail.com) • Portfolio

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## PROFESSIONAL SUMMARY

I design and support hybrid network infrastructures that are highly available, scalable, and secure by integrating on-premises systems with cloud based solutions. I have hands-on experience building secure three-tier network architectures using Cisco Packet Tracer, as well as deploying and managing IT resources (EC2) in AWS, leveraging services for scalability, backup storage (S3), cost optimization, and redundancy. In addition to my technical skills, I bring strong interpersonal skills and maintain a professional collaborative approach in the working environments.

## EDUCATION

1. AWS Skill Builder, Amazon Cloud Practitioner Essentials. *April, 2026*
2. CCNA: Introduction to Networks. *December, 2025*
3. CCNA: Switching, Routing, and Wireless Essentials. *January, 2026*
4. CCNA: Enterprise Networking, Security and Automation. *February, 2026*
5. Cisco Networking Academy, Cisco Certified Support Technician. *August, 2025*
6. Cisco Networking Academy, Network Security. *In-progress*
7. CyberOps Associate. *In-progress*
8. DevNet Associate. *In-progress*
9. Dion Training, CompTIA A+. *September, 2025*
10. Dion Training, Network+. *September, 2025*
11. IBM, Information Technology Fundamentals. *March, 2026*
12. Kabarak University, Bachelor of Laws. *December, 2021*

## TECHNICAL SKILLS

1. Cloud Computing & AWS fundamentals.
2. Network Configuration and Administration.
3. Technical Support and Documentation.
4. Routing, Switching and Wireless Networking.
5. Network Security and CyberSecurity Operations.
6. IT Support and Systems Troubleshooting.
7. Network Automation and Programmability.
8. Technical Problem Solving and Analytical Skills.

## **EXPERIENCE**

### **LEGAL OFFICER**

Alternative Justice System (AJS) Ngong' Cosmopolitan

*January - December 2023*

- Drafted legal documents.
- Offered legal advice.
- Managed litigation and legal disputes.
- Ensured compliance with laws and regulations.
- Conducted legal research and operations.

### **CISCO CERTIFIED NETWORK ASSOCIATE (CCNA)**

Designed and Configured a three-tier network topology

*September, 2025*

Achieved high network availability up to 99.95% by;

- Configuring HSRP on default gateways.
- Configuring Rapid PVST+ on switches.
- Creating redundant links.
- Designing 3-tier network topologies.
- Configuring Loopback Interfaces on each router.

Achieved maximum network Security by;

- Configuring ACLs on routers.
- Configuring passwords on each networking equipment using MD5 encryption.
- Administratively shutting down/disabling unused ports.
- Globally disabling CDPs.
- Configuring VLANs and only allowing specific traffic on trunk ports.

Achieved high network efficiency and speed by;

- Configuring etherchannels between trunk ports.
- Utilising fast links such as IEEE 802.3ab, 802.3an and 802.3ae whenever possible.
- Configuring a reference bandwidth of 100000 on each router.
- Configuring a clock rate of 2000000 on serial interfaces.
- Enabling portfast on switch interfaces facing the end users.

## CYBERSECURITY

Mastercard Cybersecurity virtual experience program on Forage

*March, 2026*

- Completed a job simulation where I served as an analyst on Mastercard's Security Awareness Team.
- Helped identify and report security threats such as phishing.
- Analyzed and identified which areas of the business needed more robust security training and implemented training courses and procedures for those teams.

## AMAZON WEB SERVICES (AWS)

Using an AWS free tier account, we;

*April, 2026*

Configured VPC peering

- Separated IT resources in the cloud from the public internet.
- Created and assigned subnets to each VPCs.
- Created and assigned EC2 Instances to their respective VPCs and subnets.
- Configured routes to facilitate peering between VPCs.
- Enhanced Security by creating security groups that only allowed specific traffic.
- Replicated the EC2 Instances in various Availability Zones for redundancy.

Configured an Amazon RDS

- Migrated On-prem database to the cloud using AWS Data Migration Service.
- Created Read replica for read heavy applications thus improving performance.
- Read replicas acted as backup in case of failover.

Hosted a Static Website on Amazon S3

- Hosted my online portfolio on Amazon S3.
- Configured life cycle for cost effective archiving.
- Configured Access Control Lists denying access to specific users.