

Haruna Umar Adoga

5 Carolside Drive, Glasgow, UK.

Networks | Systems | Cloud Engineer

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Experience

Networks & Systems Engineer

November 2016 – Present

Freelance

- Designing and managing Cisco networks for LAN & WAN connectivity
- Carrying out infrastructure migration to AWS Cloud
- Cloud infrastructure monitoring and configuration
- Using Ansible for day-to-day configuration management
- Systems/Networks design and administration
- SD-WAN security with Fortinet

Graduate Assistant (Computing) - part-time

Feb 2021 – Present

University of Glasgow School of Computing Science

- Web application development with Python-Django framework
- Providing technical support to students in troubleshooting Windows, Mac/Unix, and Linux systems
- Systems and Networks support for Masters level students at the University of Glasgow
- Providing practical and theoretical instruction for Information Technology course for MSc
- Technical documentation writing and white papers

Systems Administrator - Instructor

May 2012 – December 2019

Federal University Lafia

- Linux/UNIX system administration and design
- Troubleshooting Windows/Unix clients' network connectivity issues
- UNIX web and file server hosting
- Migrated on-prem servers (storage, web, DB) to AWS Cloud
- Configuring and troubleshooting routers and switches for LAN/WAN connectivity
- Network cabling for Cisco systems connectivity

Technical Support Representative

March 2011 – May 2012

Airtel Telecommunications

- Processing technical service requests from Airtel subscribers
- Serving as a tier 1 skilled service desk personnel in incident management
- Carrying out hierarchical escalation to tier 2 support engineers for resolution as part of incident management when needed
- Proffering solutions to subscribers to resolve service disruptions, based on SLA
- Placing outbound calls to subscribers as part of efforts to follow up on incident status

Technical Skills Summary

Programming & Scripting: Python, Bash, HTML, CSS, SQL

Cloud & Configuration Management : AWS, Ansible, Terraform

Networking : LAN, WAN, VPC, Subnetting, NFV, SDN, Switching, NAT, Routing & VLANs

Operating Systems : RedHat Linux 8, Ubuntu Server, CentOS 7 & 8, Kali Linux, macOS, Windows

Security : ACLs, Snort IDS, Fortigate

Developer Tools: Git, Docker, Django, GitLab & Jenkins CI/CD

Applications: Wireshark, VMWare, KVM, VirtualBox, MS Visio, MS Project, Overleaf

Libraries: NetworkX, Requests, Numpy, Matplotlib, Scapy, Selenium, BeautifulSoup, Scrapy

IT Certifications

Amazon Web Services (AWS) Solutions Architect – Associate <i>Amazon Inc.</i>	In View
Amazon Web Services (AWS) Cloud Practitioner <i>Amazon Inc.</i>	July 2022
Cisco Certified Network Professional (CCNP R & S) <i>Cisco Systems</i>	Feb 2011

University Education

University of Glasgow <i>PhD. Computing Science</i>	Glasgow, Scotland, UK <i>Jan 2020 to April 2023</i>
University of Hertfordshire <i>MSc. Computing Science</i>	Hertfordshire, England, UK <i>July 2014 to Jan 2016</i>
University of Maiduguri <i>Beng. E & E Engineering</i>	Maiduguri, Nigeria <i>April 2004 to Dec 2009</i>

Selected Personal Projects

Testbed design and evaluation of NFV frameworks <i>SDN, NFV, UNIX, OpenFlow, Docker</i> <ul style="list-style-type: none">• Performance evaluation of virtual network functions• Real testbed design on commodity servers (UNIX)• KVM server virtualization	June 2021
Hybrid Network Functions Deployment on Commodity Servers <i>Routing, Firewall, IDS</i> <ul style="list-style-type: none">• Virtualization, Switching, stateful and stateless firewall	September 2020
Network and Server Penetration Testing <i>Unix, Windows, Server Security</i> <ul style="list-style-type: none">• Pentest lifecycle on LAN with Linux & Windows Servers	November 2016

Relevant Networks Publications | *Routing, Switching, UNIX, Virtualization, OpenFlow, Docker*

Performance Evaluation of Virtual Network Functions Frameworks <i>IEEE NetSoft 2022 Conference – View publication</i>	July 2022 <i>Milan, Italy</i>
Network Function Virtualization Frameworks: Review of Challenges <i>MDPI Future Internet Journal – View publication</i>	Feb 2022 <i>Basel, Switzerland</i>