

# Haruna Umar Adoga

5 Carolside Drive, Glasgow, UK.

Networks | Systems | Cloud Engineer

+44 7767943721 | [Haruna.Umar.Adoga@gmail.com](mailto:Haruna.Umar.Adoga@gmail.com) | [LinkedIn](#) | [Github:@harunaadoga](#)

## 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
- Windows & Linux server administration

### 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
- Windows & 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
- 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, BGP, OSPF, Switching, NAT, Routing & VLANs

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

**Security :** ACLs, Snort IDS, Fortigate, Active Directory

**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

## University Education

---

**University of Glasgow**  
*PhD. Computing Science*

Glasgow, UK  
*Jan 2020 to April 2023*

**University of Hertfordshire**  
*MSc. Computing Science*

Hertfordshire, UK  
*July 2014 to Jan 2016*

**University of Maiduguri**  
*Beng. E & E Engineering*

Maiduguri, Nigeria  
*April 2004 to Dec 2009*

## IT Certifications

---

**Amazon Web Services (AWS) Solutions Architect – Associate**  
*Amazon Inc.*

In View

**Amazon Web Services (AWS) Cloud Practitioner**  
*Amazon Inc.*

July 2022

**Cisco Certified Network Professional (CCNP R & S)**  
*Cisco Systems*

Feb 2011

## Selected Personal Projects

---

**Testbed design and evaluation of NFV frameworks** | *SDN, NFV, UNIX, OpenFlow, Docker*

June 2021

- Performance evaluation of virtual network functions
- Real testbed design on commodity servers (UNIX)
- KVM server virtualization

**Hybrid Network Functions Deployment on Commodity Servers** | *Routing, Firewall, IDS*

September 2020

- Virtualization, Switching, stateful and stateless firewall

**Network and Server Penetration Testing** | *Unix, Windows, Server Security*

November 2016

- Pentest lifecycle on LAN with Linux & Windows Servers

## Selected Publications | *Routing, Switching, UNIX, Virtualization, OpenFlow, Docker*

---

**Network Function Virtualization Frameworks: Review of Challenges**  
*MDPI Future Internet Journal – [View publication](#)*

Feb 2022  
*Basel, Switzerland*

**Performance Evaluation of Virtual Network Functions**  
*IEEE Network Softwarization Conference – [View publication](#)*

July 2022  
*Milan, Italy*