

Haruna Umar Adoga

5 Carolside Drive, Glasgow, UK.

Networks | Systems | Cloud Engineer

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Experience

Freelance Networks & Systems Engineer

November 2016 – Present

Freelance

Glasgow, UK

- Routing and Switching
- Cloud infrastructure management
- LAN/WAN design and management
- Systems/Networks design and administration
- Unix systems administration

Graduate Teaching Assistant (part-time)

Feb 2021 – Present

University of Glasgow

Glasgow, UK

- Web application development with Python-Django framework
- Providing technical support to students in troubleshooting Windows, Mac/Unix, and Linux systems
- Systems and Networks tutorial for Masters level students
- Practical and theoretical teaching of Information Technology course for MSc
- Technical writing, documentations and white papers writing

Lecturer - System Administrator

May 2012 – December 2019

Federal University Lafia

Lafia, Nigeria

- Linux/UNIX system administration and teaching
- Troubleshooting Windows clients' network connectivity issues
- Configuring and troubleshooting routers and switches for LAN/WAN connectivity
- Network cabling for Cisco systems connectivity

Technical Customer Support Representative

March 2011 – May 2012

Airtel Telecoms

Abuja, Nigeria

- Processing technical service requests from 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 that are having a disruption with service delivery, based on SLA
- Placing outbound calls to subscribers as part of efforts to follow up on incident status

Technical Skills

Scripting: Python & Bash

Cloud and Automation : AWS, Ansible, Terraform

Networking : LAN, WAN, VPC, Subnetting, Switching, VLANs

Frameworks: Django, Docker

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

Developer Tools: Git, Python, Django, HTML, CSS, MySQL

Applications: Latex, Wireshark, VMWare, VirtualBox, Visio

Libraries: NetworkX, Requests, Numpy, Matplotlib

University Education

University of Glasgow

PhD. Computing Science

- Network Function Virtualization (NFV)
- Software-defined Networking (SDN)

Glasgow, Scotland, UK

Jan 2020 to June 2023

University of Hertfordshire

Msc. Computing Science

- Software Development
- Systems modeling & design

Hertfordshire, England, UK

July 2014 to Jan 2016

University of Maiduguri

Beng. E & E Engineering

- Data communications and networks
- Electronics circuit design

Maiduguri, Nigeria

April 2004 to Dec 2009

IT Certifications

Amazon Web Services (AWS) Solutions Architect – Associate

Amazon Inc.

In View

Seattle, USA

Amazon Web Services (AWS) Cloud Practitioner

Amazon Inc.

July 2022

Seattle, USA

Cisco Certified Network Professional (CCNP R & S)

Cisco Systems

Feb 2011

San Francisco, USA

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

Home Automation API - Java | *JAVA, OOP*

October 2014

- Smarthome API using OOP design concepts

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

November 2016

- Pentest lifecycle on Linux and Windows Servers

Selected Publications

Performance Benefits of Heterogeneous VNF Execution Frameworks

IEEE NetSoft 2022 Conference – [View publication](#)

July 2022

Milan, Italy

NFV & SFC Frameworks: a Comprehensive Review of Challenges

MDPI Future Internet Journal – [View publication](#)

Feb 2022

Basel, Switzerland