Taiwo OluwaSeyi Mosobalaje

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EDUCATION

University of Waterloo   Ontario, Waterloo
Master of Engineering in (Electrical and Computer Engineering)   2023-Present
- Specialization – Software Engineering

Covenant University   Ota, Ogun State
Bachelor of Engineering in (Information and Communication Engineering)   2015 - 2020
- 2nd Class upper (2.1)

Doregos Private Academy   Lagos, Nigeria
- West African Examinations Council (WAEC)   2009 - 2015
- National Examination Council (NECO)

TECHNICAL SKILLS

- Programming Languages: Python
- Operating Systems: Windows, Linux
- Software: Photoshop, VS Code, GNS3, MS Visio, MS Excel, MS Word, PNET
- Network and hardware troubleshooting

PROFESSIONAL EXPERIENCE

Huawei Technologies Nigeria   Lagos, Nigeria
Datacom Network Engineer   April 2021 – Dec 2022
- Perform regular network capacity check and traffic utilization to ensure network efficiency and to meet network demand
- Software upgrade of Nokia routers (SRA4, SAR8,SASK-12,NSASM,SAR-AX)
- Provisioning of VLANs for new gateways on the customer network
- Train new team members on how to use and adjust the automation scripts for future configurations
- Address customer issues via ticketing system and follow up with issues via email.
- Monitoring of network using tools like PRTG and NFMP-5620
- Configuration of microwave protection
- Configuration of enterprise services
- Created automation script for QOS Tagging and configuration on Nokia Routers using Python.
- Network interface/ E-Trunk Creation
- Network troubleshooting and resolution of 2G, 3G AND 4G site escalation's
- Nokia RTN DCN configuration
- Provide FME support for interface and enterprise connection.
- Resilience test for MPBN connection to Core/RSG sites
- Provided FME support for router/site restoration   Service Migrations on Nokia routers
- L2 & L3vpn service implementation (configuration, VPLS and VPRN) with Nokia SR, SAS and SAR devices.
- Technical support to onsite engineers during troubleshooting processes

Network Automation using Python (Projects)
- Created automation script to find available/free equipment such as SFP, and MDA CARD within the whole Nokia Airtel Region with over (Over 3000+) router.
- Created automation script which checks Remote Reachability of Nokia and Huawei Routers Within the Airtel Network (Over 3800+ router within 14 min)
- Created automation script to capable of pushing Configuration Commands to all Nokia Routers.
- Created automation script for QOS Tagging and configuration on Nokia and Huawei Routers (Over 3800+ router) drastically reducing completion time for QOS Tagging from over 3 weeks to just within an hour.

- Created automation script to check ISIS Adjacency of each router in contrast to interface's configured on router.

Fibercom Limited Lagos, Nigeria

IT Support (Intern) Feb 2019 – July 2019
- Installation of cables for computer network
- Installation and maintenance of customer security network
- Troubleshoot minor system software issues.
- Resolved network issues.
- Monitoring customer security network for irregularities
- Diagnosed and fixed network telephone issues

Nigerian Breweries PLC Lagos, Nigeria

IT Support (Intern). May 2016 – July 2016
- Troubleshoot network problems and resolved internet connectivity issues.
- Assisted in troubleshooting system hardware problems.
- Performed manual software updates to ensure the effectiveness of computer systems.

Other Programming Experience

Crypto Price (Alert)
- Developed a python application that can be used to get the price of any specified cryptocurrency.
- I made use of CoinMarketCap API for the execution of the project.
- Utilized Python libraries and modules such as Time, Request and Plyer for Desktop notification.

Mac-Delight
- Develop the backend functionalities of a Restaurants web application using the Django framework.

Rock, Paper, Scissors and Hangman
- I utilized my python knowledge of data structure, such as List comprehension, sets, tuples, loops and while conditions for decision-making.
- Utilized Python libraries such as sys, OS, time, and random in creating the python apps.

Certification/Honors/Awards

- CCNA (Cisco Certified Network Associate) - (CISCO)
- Build Python Web-Apps with Django - (August 2021 Code academy)
- Learn Data Structures and Algorithms with Python- (Code Academy)
- Learn Html -(July 2021 Code Academy)
- Python Core Programming - (June 2021 Solo learn.)
- Python intermediate -(July 2021 solo learn)
- Best graduating student in photography -   May 2018 (PEFTI Film Institute)
- Introduction to the Internet of things - June 2020 (University of California, Irvine) (Coursera)