

Rotimi O. Awomodu

Software Engineer

rotimiawomodu@gmail.com

<https://www.linkedin.com/in/rotimi-awomodu-b0b7b5a1/>

+234.811.7033.382

Python Developer, IT Support Specialist, and Software Engineer with 5+ years in cybersecurity, network engineering, and software development. Proficient in Python, Django, and Cisco technologies. Certified by Holberton Inc.

Work Experience

Software Engineer

Jan 2022 - Jul 2024

ALX_Africa by Holberton Inc.

- Developed Django-based distributed systems, focusing on scalability and performance.
- Worked extensively with Django Model-based Admin functionality, customizing as per project requirements.
- Implemented Redis and Celery for asynchronous task management in Django applications.
- Developed and optimized RESTful APIs using Django, ensuring efficient data handling and security.
- Designed and managed SQL-driven data access layers within Django to interact with RDBMS systems.
- Wrote unit testable code, ensuring high code quality and reliability.
- Gained proficiency in HTML, CSS, Bootstrap, and JavaScript, integrating front-end elements with Django backends.
- Hosted Django solutions on Linux/Unix-based environments, optimizing for security and performance.
- Debugged and troubleshooted production issues in existing Django codebases, providing effective fixes.
- Applied strong analytical skills to review and enhance existing implementations, improving system efficiency.

IT Analyst & Network Engineer

Jan 2023

National Defence College NDC | Abuja

- Provided technical support to end-users, troubleshooting and resolving hardware, software, and network issues.
- Collaborated with vendors and service providers to ensure effective resolution of technical issues.
- Delivered user training and documentation for software and hardware usage.
- Stayed updated on the latest technology trends and advancements in the IT industry.
- Partnered with cross-functional teams to resolve complex technical problems e.g., BGP misconfiguration or route flapping .
- Built and configured systems and networks to counter potential vulnerabilities and investigate security intrusions.
- Improved departmental troubleshooting and monitoring processes for LAN/WAN activities, increasing overall uptime by 30%.
- Worked on Cisco Layer 2 switches, spanning tree, and VLAN configurations.
- Supported various routers, including 2600/3600/7200/7200VXR and 12416/12816 series.
- Partnered with cross-functional teams to resolve network connectivity issues, including LAN, WAN, and internet access.

Python Developer Intern

May 2021

HIIT | Abuja

- Completed advanced coursework and projects demonstrating proficiency in Python and Java programming.
- Collaborated with a team of five to develop solutions and project presentations for senior staff by incorporating statistics, data visualizations, and database management systems e.g., SQL to clearly communicate results.
- Developed and maintained scalable and high-performance software applications using web development technologies (HTML, CSS) , frameworks (Django) , version control systems (GitHub) , data structures (Python) , algorithms (Python, Java) , object-oriented programming (Python, Java) , and modular code that follows coding standards and guidelines.

IT Support Intern

Apr 2016

Air Force Institute of Technology | Abuja

- Participated in the setup and maintenance of computer systems, including hardware installations, software updates, and system configurations.

- Collaborated with the IT team to identify and implement process improvements, resulting in a 20% increase in efficiency and productivity.
- Assisted in the deployment and maintenance of network infrastructure, including routers, switches, and wireless access points.
- Contributed to the development and updating of technical documentation, including user manuals, troubleshooting guides, and standard operating procedures.
- Projects
- AI Movie Recommendation System : Developed an AI-powered movie recommendation system using Python, Django, and GitHub. Collaborated with cross-functional teams to achieve project goals.
- E-commerce Website : Built a fully functional e-commerce website using Django and Python. Managed the entire development lifecycle and worked closely with team members to ensure seamless integration.
- E-logbook for Industrial Training : Created an e-logbook for industrial training with a team in 2021 using Django.

Core Skills

Web Development (HTML, CSS, JavaScript, TypeScript), Backend Frameworks : Django, Data Analysis : SQL, Database Management, Network Security : Cybersecurity, Firewalls, Cryptography, ISO 27001, Information Security Management, Linux, Windows, Source Control : GitHub, Git, Cisco Systems Products : Cisco Switches, Cisco Routers, Cisco IOS, Cisco Nexus, Wireshark, Django Framework, Troubleshoot Production Issues, Application Programming Interfaces, IT Services, IT Consulting,

Education

Baze University Abuja

Jan 2020 - Dec 2022

Bachelor of Science Computer Science

Certificates

Software Engineering Certificate - Holberton Inc. ()

Jul 2024

Cisco Certified Network Associate (CCNA)

Dec 2022

Cisco Networking Academy

Cisco Cyber Security - AfriHUB ICT Institute

Sep 2022

NSE 1 Network Security Associate

Jul 2022

Fortinet

Certified Python Programming

Sep 2021

HIIT

Certified Java Programming

Sep 2021

HIIT

Artificial Intelligence Developer

Mar 2024

CodeClause

Cisco Certified CyberOPS Associate

Cisco Networking Academy