

Joshua Adegbola

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📁 PROFILE

Solution-oriented Electrical and Electronics Engineer with a solid foundation in electrical systems, transformer installation, power distribution management, telecommunications and network engineering. Gained hands-on experience with various components of electrical engineering, including preparing device layouts, performing maintenance, and conducting illumination photometric calculations. I am adept at driving improvements in power and energy systems with a strong ability to troubleshoot technical issues and implement IT solutions

🧠 SKILLS

- MATLAB
- Python
- Wireshark
- Zendesk
- Microsoft Office
- Jira
- Intercom
- LabVIEW
- Proteus
- AnyDesk
- Active Directory
- Cisco Packet Tracer
- AutoCAD
- Simulink
- CSS

📁 PROFESSIONAL EXPERIENCE

Internet Solutions Nigeria

2021 – 2023 | Abuja, FCT

Network Analyst

- Monitored and tested system vulnerabilities, resolving network security issues.
- Conducted penetration testing on local networks using Metasploit and Nmap to identify vulnerabilities.
- Assisted in the design, installation, and maintenance of telecommunications systems, including fiber-optic networks
- Analyzed network traffic using Wireshark, identifying and mitigating potential security breaches
- Performed network administration duties, including firewall configuration and router troubleshooting.
- Utilized Cisco Packet Tracer to simulate and test network configurations, ensuring reliable performance in real-world deployments.
- Monitored antivirus software, repaired infected systems, and ensured data security through proper backup protocols.

Benin Electricity Distribution Board

2020 – 2021 | Ado Ekiti, Ekiti State

Electrical Engineering Intern

- Assisted in the installation and maintenance of transformers, ensuring stable and efficient power distribution across various regions.
- Collaborated with senior engineers on electrical construction documents and project layouts, gaining valuable insight into electrical design.
- Performed routine maintenance and repair tasks on electrical equipment, ensuring smooth operation and preventing system failures.
- Installed and maintained street lighting systems, contributing to the safety and security of public areas

🎓 EDUCATION

Bachelor of Engineering, Electrical & Electronics Engineering

10/2016 – 10/2021 | Ilara Mokin, Ondo State

Elizade University

Master of Science, Electrical & Computer Engineering

08/2024 – 12/2025 | Marietta, GA

Kennesaw State University

Smart Energy Meter

09/2021

The development of a Smart Energy Meter was my final year engineering project. This project aimed to design an intelligent energy meter capable of monitoring energy consumption in real-time and communicating directly with users via a mobile application. The Smart Energy Meter offered a two-way communication system, where users could view their energy usage, receive alerts on high consumption, and even remotely manage power settings. The system was integrated with a GSM module for sending usage data and warnings to users via SMS, ensuring they remained informed about their electricity usage. With the completion of this project I was successfully able to enhance user control over energy consumption, promoting energy efficiency and cost savings.