AFOLAYAN ISAAC ADEMIDE  
  
Email: afolayantimilola880@gmail.com **|** Telephone: +234 803 6076 208 | https://github.com/timijab

**PROFESSIONAL SUMMARY**

A software developer with a high level of proficiency using Python and tech skills in Backend and frontend design using Flask, PostGreSql, CSS, HTML and Jinja templating. I am self-motivated, creative in problem-solving with good communication skills and keen to learn new skills.

A certified green associate with the ability to develop electrical schematics, circuit design using AutoCAD, livewire, LT spice simulation and MATLAB Simulink software. I have a masters degree in power and machine engineering, this degree has equipped me with skills ranging from Energy management to technical expertise in power system analysis and control. I am well skilled in MATLAB, PSAT and MS excel for data collection and analysis

**WORK EXPERIENCE** 

**FREELANCE** 02/2020 – PRESENT

* Developed web applications for clients.
* Debugging of Errors in clients programs.
* Design and development of websites for client small business.

**JACFOLAY ENGINEERING LIMITED (Electrical Engineer)** 10/2020 – 11/2021

* Supervised building and electrical wiring of building projects to completion.
* Responsible for the procurement of quality building and wiring materials.
* Developed a database using the MS excel on financial and material usage data.
* Successfully managed Eight building facilities, tenant’s complaint and tenant interviews.
* Led in the coordination of maintenance and inspections to comply with the rules, code and company ethics.

**NIGERIAN DEFENCE ACADEMY POSTGRADUATE SCHOOL (Research Assistant)** 04/2019 – 11/2020

* Coordinated data collection within power system framework for research purposes.
* Successfully developed a platform for Electrical engineering simulation software skills to be taught to students.
* Developed scientific research which successfully produced four research papers.
* Successfully wrote an optimization algorithm to determine the static state of the Nigerian power system using the MATLAB framework.

**TRANSMISSION COMPANY OF NIGERIA (Electrical Engineer Intern)** 02/2016 – 07/2017

* Engaged in transformer installations and testing to ensure power supply to costumers.
* Developed electrical circuit design to enable new intern participation in daily operations.
* Coordinated system control decisions within the 330KV transmission control segment.
* Improved system voltage stability and reduced voltage collapse occurrence by load shedding and load loading.
* Coordinated regular testing of transformer Oil viscosity levels to avoid overheating of transformers.
* Fully involved in relay settings and system protection activities, supervised by the system operations Engineer.

**EDUCATION AND CERTIFICATIONS**

03/2019 – 07/2021

**MASTERS OF ENGINEERING IN POWER SYSTEMS AND MACHINE** – NIGERIAN DEFENCE ACADEMY, NIGERIA.

07/2017

**BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS** -  **LANDMARK UNIVERSITY,** KWARA STATE, NIGERIA

07/2017

**DIPLOMA IN AGRIPRENUERSHIP** – **LANDMARK UNIVERSITY,** KWARA STATE, NIGERIA

07/2020

**DIGITAL SKILLS: ARTIFICIAL INTELLIGENCE** - **ACCENTURE**

10/2018

**CISCO CERTIFIED NETWORK ADMINSTRATOR** – CLASSIC SYSTEM INFOTECH, OSUN STATE, NIGERIA

07/2020

**GREEN BUILDING CONCEPTS FOUNDATIONS –** LINKEDIN

**KEY ACHIEVEMENTS**

* Installation of 3.5KVA solar power system at my university health center which led to reliable power supply in the facility.
* Initiated digital techniques to facilitate better learning of power and machine engineering as a postgraduate student.
* Developed and implemented website and landing pages from concept to deployment for my local church assembly.
* Co-authored four research papers on Power System control, transformers and Universal Motors.
* Award for my services in the national youth service corp.

**SKILLS AND TOOLS**

**SKILLS –**WEB DEVELOPMENT // DATA ANALYTICS // GRAPHICS DESIGN // FRONTEND DEVELOPMENT // VIDEO EDITING // ALGORITHMS // PROBLEM SOLVING ELECTRICAL MACHINE MAINTAINCE // POWER SYSTEM CONTROL AND MANAGEMENT//

**LANGUAGES/FRAMEWORK/LIB –** PYTHON // FLASK //HTML // JAVASCRIPT // MATLAB // CSS // PANDAS // API REST DEVELOPMENT // JINJA TEMPLATE

**SOFT SKILLS –** COMMUNICATION // LEADERSHIP // TEAMWORK // ADAPTABILITY // CREATIVITY // ABILITY TO WORK UNDER PRESSURE // EMOTIONAL INTELLIGENCE // PROBLEM SOLVING

**SOFTWARE SKILLS -** LIVEWIRE // LTSPICE // MATLAB // AUTOCAD // MS EXCEL // PHOTOSHOP // ADOBE PREMIERE// VMIX.

**INTERESTS –** TECHNOLOGY // HEALTH // MUSIC// SPORTS