

HAMZAT HABIBLLAHI ADEWALE

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ACADEMIC QUALIFICATIONS

FEDERAL UNIVERSITY OF AGRICULTURE ABEOKUTA (FUNAAB) Bachelor of Engineering (Electrical and Electronics Engineering); second class upper.	2015
OLADIPO ALAYANDE SCHOOL OF SCIENCE West Africa Senior School Certificate.	2009

SKILLS

Electrical

- 1) Mini grid management
- 2) Electrical installation (conduit and surface).
- 3) Solar hybrid installation

Electronics

- 1) Design and development of analog, digital and embedded system as custom control solutions
- 2) Design of printed circuit boards using proteus software
- 3) Programming of AVR ATmega series microcontroller and Intel Galileo Single Board Computer (SBC) using the Arduino open source embedded platform
- 4) Home automation

Software Development

Programming language: Java, kotlin, C++

- 1) Development of REST web backend services using Java programming language and Spring framework, Hibernate, MySQL database on Tomcat Server.
- 2) Development of cross-platform rich client, rich internet desktop application using Java programming language and JavaFX framework.
- 3) Currently learning development of native Android mobile development using the Kotlin and Java programming language with the Android Standard Development Kit.
- 4) Currently advancing on development of Internet of Things (IoT) based control solutions for home automation using C++ programming language on arduino platform.

PRESENTATIONS

Presentation: DESIGN OF INDUSTRIAL BASED TEMPERATURE AND HUMIDITY MONITORING SYSTEM USING EMBEDDED SYSTEM APPROACH FOR HEALTH AND SAFETY.
The Nigerian Universities Engineering Students' Association (NUESA) Conference. 2015. Nigeria.

WORK PORTFOLIO

<https://habibllahi.github.io/personal/portfolio.html>

COMMUNITY SERVICES

National Youth Service Corp (NYSC) teacher Abonnema Girls School, Abonnema, Rivers state, Nigeria	2016 – 2017
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PROFESSIONAL EXPERIENCE

Rubitec Nigeria Limited, Lagos state, Nigeria

2019-Recent

Role: Utility Manager

Responsibilities:

- 1) Management of 85KWp solar mini-grid power generation, distribution and consumption
- 2) Monitoring and supervision of power sales
- 3) Sighting of viable communities for Rubitec solar min-grid development and data collection from such communities using Kobo collect tool.
- 4) Installation of solar powered DC system and AC coupled system

Freelance

2018 – 2019

Role: Software developer

Responsibilities:

Development of desktop application integrated with embedded solutions

HIC mikroLAB, Ogun state, Nigeria

2017 – 2018

Role: Embedded system developer

Responsibilities:

- 1) Design, development and simulation of analogue, digital and embedded system as a control solution.
- 2) Installation of a solar hybrid system as a sustainable and renewable electrical energy source for clients.
- 3) Fundamental electronics trainer.

HIC mikroLAB, Ogun state, Nigeria

2014-2015

Industrial attachment trainee.

Responsibility:

To technically participate in all indoor and outdoor works as a trainee.

Solar power development and installation trainee.

Electronics trainee.

CAREER OBJECTIVES

To become a successful electrical engineer with tons of professional experience in solar renewable energy design, development and management. With add on professional skills in development of full-stack native android mobile application, cross-platform desktop application and IoT based embedded solutions applicable in renewable energy sector for control, management and remote monitoring.

ABOUT

I am 2015 graduate of Electrical Engineering with tangible and continuous experience in solar installation, embedded development and software development. This skills all put together are aimed at providing Internet of Things (IoT) based control solutions that can take Nigeria renewable power development, consumption, management, control and monitoring a step further.

PERSONAL DETAILS

Date of birth: 29th January 1992, **Nationality:** Nigerian, **State of Origin:** Ogun State

Local Government Area: Abeokuta-South, **Sex:** Male

HOBBIES AND LEISURE INTERESTS

- Watching technological audio visuals.
- Playing video games and watching movies on Netflix.

