

JOSH OZUEM

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PROFESSIONAL SUMMARY

An engineering and technology enthusiast, self-motivated, result-oriented leader and a great team player with proven success in motivating and collaborating with diverse teams to successfully execute projects involving DC Drives, AC Drives, Power Systems, and Network systems. He seeks out new and emerging technologies and stays abreast of industry standards and current trends.

EDUCATION

Bachelor of Engineering Technology in Electrical and Electronic Engineering June 2023

Teesside University, Middlesbrough.

Grade: **FIRST CLASS HONOURS**

Relevant Course Work:

- Power Systems
- Digital Electronics
- Power Electronics and Drive System
- Design
- Individual Project

Higher National Diploma in Electrical/Electronic Engineering Jul. 2019

Lagos State University of Science and Technology, Lagos, Nigeria.

Grade: **UPPER CLASS (3.23/4.00)**

Relevant Coursework:

- Electrical Power Systems
- Electrical Machines
- Control Engineering Systems
- Design and Drafting
- Electromagnetic Field
- Electrical Maintenance and Repairs.

Diploma in Electrical/Electronic Engineering Aug. 2015

Kings Polytechnic, Edo, Nigeria.

Grade: **DISTINCTION (3.68/4.00)**

Relevant Coursework:

- Engineering Science
- Analogue Electronics
- Measurements and Controls
- Electrical Circuit Theory
- Digital Communication
- Engineering Mathematics
- Computer Packages.

SKILLS

- Electrical System Design
- Circuit Analysis
- Power Distribution.
- Troubleshooting and Maintenance
- Control System
- PLC
- Instrumentation and Measurements
- CAD, MATLAB, Simulink
- Hardware and Software Troubleshooting
- Network Configuration and Management
- Help Desk Support
- Cybersecurity Awareness.
- System Administration
- MS Office Suite: Excel, Word, PowerPoint
- Project Management
- Team Collaboration

WORK EXPERIENCE

Engineering Technician

Aug. 2023 to date

UK Management College, Manchester.

- Providing technical support for research and academic staff.
- Fabricating prototypes, conducting tests and troubleshooting technical issues as needed.
- Supporting the design and execution of projects, maintenance and management of systems.
- Installation, maintenance and calibration of lab equipment and instrumentation.
- Data collection and analysis using software tools such as MATLAB, LabVIEW
- Providing training and guidance to students on equipment operations and experiment procedures.

Technical Executive

Oct. 2020 – Sep. 2022

Skyway Aviation Handling Company PLC, Lagos, Nigeria.

- Conducting preventive and corrective maintenance on various types of ground support equipment, such as Jet Starters, Ground Power Units, High Loaders, Aircraft Push-Back, Electric Tractors, Forklifts, Bowsers, Passenger Steps, and Conveyor Belts.
- Identifying, diagnosing and repairing electrical, hydraulic, and pneumatic faults on GSE
- Performing preliminary and daily routine checks on aircraft GSE to ensure serviceability.
- Overhauling of engine
- Maintaining detailed records of maintenance activities, repairs, inspections, and any modifications.

Maintenance Technician

Feb. 2016 – Jan. 2017

Crown Flour Mill, Lagos, Nigeria

- Troubleshoots electrical issues.
- Conducts general electrical maintenance.
- Inspects circuit breakers and other electrical components.
- Reads and interprets blueprints and technical diagrams.
- Works standard computations relating to electrical load requirements of wiring.
- Examined equipment and machinery to verify functionality.

PROFESSIONAL MEMBERSHIP

- Institute of Engineering and Technology
- Institute of Electrical and Electronics Engineers.

CERTIFICATION

- Inspection and Testing
- CompTIA A+
- HSE
- GSE's Operations and Maintenance.

PROJECT

- Improved Direct Torque Control of a Doubly Fed Induction Motor using fuzzy logic. April 2023
- Design of a Motorized lifting Mechanism. Jan. 2023
- Refurbishment of a Conveyor Belt Loader. Feb. 2022
- Refurbishment of a Sherpa Tractor. Nov. 2021
- Three Phase Fault Analyses with Auto Reset on Temporary Fault and Permanent Trip Sep. 2019
- Electronic Water Level Controller Device Oct. 2015
- Design and construction of an electric kettle Jan. 2014