

DAWOM DANIEL YOHANNA

CONTACT

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TECHNICAL & FIELD

- ▶ Electromechanical Troubleshooting
- ▶ Sensors, Controllers & Power Equip.
- ▶ Preventive & Corrective Maint. (PPM)
- ▶ Circuit Simulation (Proteus/ISIS)

SOFTWARE & PROTOTYPING

- ▶ Hardware Modeling & 2D/3D Schematics
- ▶ Python, C++, MATLAB

NETWORK & OPS

- ▶ Diagnostic Testing & Protocols
- ▶ TCP/IP & HW-SW Integration
- ▶ 24/7 SLA & Emergency Response
- ▶ Quality Control & Data Verification

EDUCATION

B.Eng. Mechatronics & Systems Engineering
Abubakar Tafawa Balewa University, Bauchi

OND, Mechanical & Production Engineering
Federal Polytechnic Bauchi

MECHATRONICS & SYSTEMS ENGINEER

Implementation & Technical Support Specialist

Detail-oriented and adaptable Mechatronics & Systems Engineer with over 3 years of hands-on experience in electromechanical system troubleshooting, hardware-software integration, preventive maintenance, and strict 24/7 SLA availability management. Proven track record in field operations, network diagnostic tools, protocol verification, and CAD/circuit simulation. Currently leveraging data annotation expertise to ensure high precision, technical quality control, and scalable system support for critical enterprise platforms.

PROFESSIONAL EXPERIENCE

Freelance Data Annotator

Oct 2024 – Present

Freelance / Remote

- Annotate, label, and audit complex technical datasets to train machine learning models, ensuring high precision and strict adherence to quality benchmarks.
- Perform meticulous verification of system-generated data and edge-case inputs to eliminate errors and enhance overall model accuracy.
- Collaborate with project leads to refine technical guidelines, document internal processes, and deliver results within tight project schedules.

Team Support / Acting Team Lead

Oct 2023 – Sept 2024

Biswal Limited — Lagos, Nigeria

- Drove end-to-end maintenance, troubleshooting, and continuous uptime of gas power generating plants and electronic control systems across BTS sites, achieving 100% power availability per company SLA.
- Executed planned preventive maintenance (PPM) schedules and proactive hardware checks to mitigate sudden failures and extend asset longevity.
- Provided 24/7 emergency incident response to monitoring alarms, resolving complex electrical, control system, and generator issues under pressure.
- Led field site operations, maintaining comprehensive audit logs of completed tasks and ensuring full compliance with health and safety standards.

Graduate Trainee

July 2023 – Oct 2023

Biswal Limited — Lagos, Nigeria

- Recorded and analyzed key parameters of reversed gas generators to troubleshoot root causes of failure and restore equipment to operational readiness.
- Conducted functional testing and quality assurance evaluations on both new and refurbished power systems prior to site deployment.

Network Support Engineer

Jul 2022 – Mar 2023

Hyperia Limited (NYSC) — Victoria Island, Lagos

- Utilized standard diagnostic testing tools and protocols to troubleshoot and resolve network connectivity issues for enterprise user groups.
- Maintained comprehensive logs of network activity and documented support actions to streamline issue escalation and future troubleshooting.

Hardware / Software Engineering Intern

May 2021 – Nov 2021

Nascomsoft Embedded Hub — Bauchi, Nigeria

- Built, tested, and iterated hardware prototypes using physical models and computer simulations to ensure compliance with product specifications.
- Collaborated with software developers to integrate embedded solutions, debug system firmware, and refine technical hardware designs.

PROJECTS

Automated Poultry Management System

Final Year Project

- Designed and independently developed an automated poultry management system using Arduino Nano microcontrollers as the core control unit, automating feeding, watering, temperature regulation, and lighting.
- Applied a range of engineering skills across the design, fabrication, and assembly stages of the system, including circuit design, sensor integration, hardware-software integration, and system testing.
- Presented the project as a final year thesis/capstone, achieving a grade of Excellent.

REFERENCES

Available upon request.