

AYODEJI STEPHEN KOLAWOLE

Lagos, Nigeria | +234 806 430 0046 | ayodejistephenkolawole@gmail.com

PROFESSIONAL SUMMARY

Highly skilled Electrical/Electronics Engineer with 9+ years of experience in power systems, data center infrastructure, electrical maintenance, and renewable energy solutions. Expert in high-capacity BESS, Solar PV, and UPS systems with a proven track record of optimizing operational efficiency, improving system reliability, and performing precision maintenance across industrial and commercial environments.

CORE COMPETENCIES

Energy Systems:	Solar PV Installation & Commissioning, BESS Integration, UPS Installation & Support.
Electrical Engineering:	Load Assessment & Energy Audit, Electrical Wiring & Panel Installation, LV/MV/HV Distribution Systems.
Maintenance & Ops:	Preventive/Corrective Maintenance, Fault Diagnosis & Rectification, Technical Documentation.
Safety & Compliance:	Safety Compliance, Fire Safety & Evacuation Procedure.

KEY ACHIEVEMENTS

- System Reliability:** Installed and commissioned multiple solar PV and hybrid inverter systems, improving energy reliability and reducing generator dependency.
- Fault Detection:** Supported monitoring operations using DCIM tools, enabling early fault detection and faster issue resolution.
- Network Restoration:** Contributed to the safe restoration of electrical distribution networks through coordinated field operations.

PROFESSIONAL EXPERIENCE

PDH Engineering Services Ltd – Field Support Engineer

Feb 2025 – Present

- System Design & Site Audits:** Conducted comprehensive site surveys and load assessment calculations to design optimized solar PV, BESS, and backup power solutions tailored to client specifications.
- Electrical Blueprint Interpretation:** Interpreted and executed detailed electrical schematics, single-line diagrams (SLDs), and layout drawings for complex commercial, industrial, and residential installations.
- Construction & Installation:** Executed end-to-end electrical wiring and installation for residential, commercial, and industrial systems with a safety-conscious approach to cable routing, panel setup, and equipment integration.
- Commissioning & Decommissioning:** Performed system commissioning and decommissioning of electrical equipment with strict adherence to safety and standard procedures, ensuring operational compliance.
- Clean Energy Systems:** Installed and commissioned high-capacity Solar PV systems, hybrid inverters, battery banks, and online UPS units according to standard safety guidelines.
- BESS Deployment:** Led deployment, diagnostics, and performance checks of Battery Energy Storage Systems (BESS) while maintaining strict safety controls.
- Infrastructure Support:** Executed structured cable routing and maintained HVAC/dehumidifier systems for climate control.
- Monitoring & Uptime:** Monitored equipment performance using AKCP and DCIM tools to safely ensure 99%+ uptime.

Lash Blinds – Production Technician

May 2024 – Feb 2025

- Orchestrated high-precision machinery for window blind production, demonstrating a safety-conscious mindset and strict adherence to quality standards.
- Implemented preventive maintenance schedules and performed routine repairs to maximize equipment uptime safely.
- Directed quality assurance (QA) processes, conducting stringent quality checks to maintain product integrity.
- Supervised workflow distribution, delegating daily production tasks to technical assistants and verifying completion with strict adherence to safety procedures.

The Light Electrical World – Electrical Engineer

Mar 2022 – Apr 2024

- Managed comprehensive electrical wiring and installation projects in new construction environments, ensuring full compliance with electrical safety codes and standard procedures.
- Directed full-cycle Solar PV installations and electrical fault diagnosis using testing instruments, maintaining a safety-conscious environment at all times.

IPT Powertech – Field Support Engineer (Trainee)

Sept 2021 – Feb 2022

- Troubleshoot electrical/telecom systems, performed panel wiring, and carried out rapid electrical fault rectification with strict adherence to safety procedures.
- Supported preventive and corrective maintenance for both AC and DC generators, executing precise diesel supply management and fuel monitoring across multiple sites safely.
- Maintained 24/7 standby flexibility, remaining safety-conscious during prompt responses to emergency site outages to prevent system downtime.

Benin Electricity Distribution Company (BEDC) – Maintenance Engineer

Feb 2017 – July 2021

- Installed, repaired, and executed predictive, preventive, and corrective maintenance on LV, MV, and HV distribution systems under strict adherence to high-voltage safety and standard procedures.
- Conducted advanced line troubleshooting, cable splicing, jointing, and fault diagnostics to restore supply safely and efficiently.
- Maintained a safety-conscious, customer-focused approach, optimizing network reliability to ensure consumers received consistent, high-quality power supply value.
- Contributed to the safe restoration of electrical distribution networks through highly coordinated, standard-compliant field operations.

Benin Electricity Distribution Company (BEDC) – Industrial Trainee

2013 – 2015

- Assisted in transformer maintenance and electrical line troubleshooting, working under strict adherence to safety instructions from senior engineers.
- Gained hands-on experience in power distribution networks and electrical system layouts while learning fundamental safety-conscious practices.
- Developed competencies in utilizing electrical testing instruments and interpreting electrical diagrams in full compliance with workshop safety standards.

EDUCATION

Higher National Diploma (HND), Electrical Electronics Engineering Federal Polytechnic Ado-Ekiti	2017
National Diploma (ND), Electrical Electronics Engineering Federal Polytechnic Ado-Ekiti	2013

CERTIFICATIONS & TOOLS

- **Safety Certification:** Fire Safety & Evacuation Procedure (2024).

- **National Service:** National Youth Service Corps (Exemption Certificate).
- **Tools:** Multimeter, Power Tools (Drilling, Cutting, Screwdriver Machines), AKCP & DCIM Monitoring Software.