

ALIYU USMAN EGWA

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PROFESSIONAL SUMMARY

Highly skilled and safety-conscious specializing in industrial electrical systems, Commercial and Domestic Electrician with over 6 years of combined technical training and hands-on site experience. Proven track record of executing full domestic rewires, three-phase power, hazardous oil & gas environments, installing complex distribution boards, low-voltage (ELV) security integration, and maintaining electrical infrastructure in high-safety commercial environments, including filling stations, warehouses, and corporate offices. Adept at interpreting complex architectural wiring plans and electrical schematics. Formally trained with a National Certificate of Education (NCE) in Electrical/Electronics Technical Education, seeking to bring robust technical expertise to a large-scale progressive infrastructure or commercial contracting firm.

CORE COMPETENCIES & TECHNICAL SKILLS

- **Electrical Systems:** Full House Rewiring, Distribution Board & Consumer Unit Installation, Fault Finding, Circuit Diagnosis.
- **Commercial Installations:** Conduit Bending (PVC/Galvanised), Cable Tray Management, Industrial Containment Systems.
- **Testing & Inspection:** Multimeters, Insulation Resistance Testers, Continuity Testing, Fault Remediation.
- **Blueprints & Schematics:** Architectural Wiring Plans, Schematic Diagrams, Single-Line Diagrams.
- **Tools & Machinery:** Power Drills, Angle Grinders, Hydraulic Cable Cutters, Crimping Tools, Chase Cutters.

- **Safety & Compliance:** High-risk environment awareness (Filling Stations, Warehouses), Site Safety Regulations, PPE Compliance.
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PROFESSIONAL EXPERIENCE

Independent Electrical Contractor | Lagos, Nigeria

June 2023 – Present

- Deliver ad-hoc domestic and light commercial electrical installation and repair services directly to private clients.
- Execute full-scale residential rewires, upgrading legacy installations to meet modern safety and load capacity standards.
- Diagnose and repair complex circuit faults, utilizing multimeters and insulation testers to isolate and resolve tracking issues.
- Install modern consumer units, ensuring proper balancing of circuits and installation of residual current devices (RCDs).

Etrolink Industrial FZE | Lagos State, Nigeria

March 2026 – May 2026 (Contract)

Role: System Security Technician

- Installed and integrated low-voltage electrical containment, power supplies, and wiring networks for commercial security systems.
- Interpreted site schematics to route cabling efficiently through industrial frameworks, utilizing specialized power tools and crimpers.
- Conducted system testing and continuity checks to ensure zero-fault handovers on critical industrial infrastructure.

3COM Global System Ltd | Nigeria

January 2020 – December 2023

Role: Commercial & Domestic Electrician

- Successfully delivered electrical installation, first-fix, and second-fix wiring across diverse commercial sites including offices, hotels, warehouses, and specialized filling stations.
- Laid heavy-duty cabling and installed robust containment systems, ensuring strict adherence to commercial safety standards in high-risk filling station environments.
- Mounted, wired, and commissioned large-scale distribution boards and commercial lighting grids based on architectural blueprints.
- Collaborated with site engineers to interpret wiring schematics, minimizing installation errors and ensuring projects were completed on schedule.

Al-Zira Oil and Gas Ltd | Nigeria

Role: Apprentice Electrician

2014 – 2016

- **Industrial Power:** Installed, terminated, and tested three-phase electrical systems and distribution panels under journeyman supervision.
- **Specialized Systems:** Maintained and troubleshooted fuel dispensers and heavy-duty submersible pumps, ensuring minimal equipment downtime.
- **Low-Voltage & Security:** Planned and executed CCTV wiring layout, device termination, and system connections for facility monitoring.
- **Troubleshooting:** Diagnosed electrical faults in commercial and hazardous-location wiring using multimeters and insulation testers.
- **Safety Compliance:** Adhered strictly to oil and gas safety protocols, Lockout/Tagout (LOTO) procedures, and permit-to-work systems.

EDUCATION & FORMAL TRAINING

National Certificate of Education (NCE) in Technical Education

Specialization: Electrical/Electronics (Vocational Training)

Nasarawa State College of Education, Nigeria | 2016 – 2018

- **Core Modules:** Electrical Circuit Theory, Electronics Engineering Fundamentals, Workshop Practice & Safety, Technical Drawing, Vocational Pedagogy.

Electrician Certificate of Training Completion

Issued by Registered Lead Engineer, Nigeria | *Verification available upon request*