

MICHEAL CHIBUEZE ACHILIHU

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Professional Summary

Medical Device Engineer with expertise in the design, safety, and compliance of electrical and electromechanical medical devices. Skilled in applying IEC 60601-1 standards, electrical safety testing, and risk management (DFMEA, hazard analysis) to ensure product quality and regulatory compliance. Experienced in developing and qualifying PCBAs, cable assemblies, and embedded drivers, as well as supporting design input, design reviews, and technical documentation (DHF). Adept at collaborating with R&D, manufacturing, and quality teams to drive compliance with ISO 13485, MDR, and FDA 21 CFR 820. Recognized for strong problem-solving, documentation accuracy, and ensuring inspection readiness in GMP-regulated environments.

Key Skills

- Medical Device Lifecycle Management (Design, Installation, Servicing)
 - IEC 60601-1 Compliance & Electrical Safety Testing
 - Design Input, Schematic/BOM Updates & Technical Documentation (DHF)
 - Test Planning, Verification & Validation, and Product Qualification
 - Risk Management & Root Cause Analysis
 - ISO 13485, MDR, FDA 21 CFR Part 820, 21 CFR 3.2(e) Compliance
 - Human Factors/Usability Engineering Collaboration
 - Preventive & Corrective Maintenance
 - Cross-Functional Project Team Collaboration
 - Technical Training & Customer Support
 - Data-Driven Continuous Improvement
 - Inspection & Audit Readiness
 - Strong Verbal & Written Communication
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Professional Experience

Global After-sales Manager

Adtec Healthcare Limited, Twickenham, London, UK (Sept 2025 – Present)

- Manager company's after-sales services and customers worldwide.

Medical Device Engineer

Adtec Healthcare Limited, Twickenham, London, UK (Feb 2025 – Sept 2025)

- Provided end-to-end technical support for combination devices using cold atmospheric plasma for wound care.
- Maintained equipment performance and ensured inspection-readiness by following ISO 13485 and MDR standards.
- Participated in device design support, design reviews, and documentation control.

- Maintained Design History Files (DHF) and device records in line with 21 CFR 820.30.
- Collaborated with R&D, manufacturing, and regulatory teams to ensure timely project execution.
- Provided product training and field service support to customers, ensuring quality standards and compliance.

Field Service Engineer & Territory Manager

ISN Medicals, Lagos, Nigeria (Jan 2023 – Nov 2024)

- Installed and maintained biomedical equipment (including IVD and imaging systems) from OEMs such as Roche, Mindray, Fujifilm.
- Trained healthcare professionals on device usability, calibration, and routine care, enhancing equipment lifespan.
- Performed preventive maintenance and root cause analysis, reducing downtime by 20%.
- Documented service activities per regulatory and QA protocols.
- Contributed to internal audits and customer feedback integration.

Energy Audit Analyst

Ikeja Electric, Lagos, Nigeria (Aug 2022 – Dec 2022)

- Conducted energy loss audits and proposed metering upgrades for enhanced operational performance.
- Used data analytics to develop process improvements that led to an 11.37% reduction in losses.

Maintenance Engineer Graduate Intern

GODREJ Nigeria Ltd, Lagos, Nigeria (May 2022 – Jul. 2022)

- Led preventive maintenance on mechanical and electrical systems in a high-output production environment.
- Implemented a Computerized Maintenance Management System (CMMS) that improved efficiency and reduced reactive maintenance by 20%.
- Diagnosed faults in control panels, pneumatic actuators, and packaging systems.

Customer Service Representative

United Bank for Africa (UBA), Abuja, Nigeria (Dec 2019 – Dec 2020)

- Delivered exceptional service and data-backed insights to improve customer experience.
- Recognized for exceeding KPIs in service quality and customer satisfaction.

Education

- **Master of Business Administration (MBA)**
Nexford University, Washington DC, USA (Mar 2023 – Dec 2023)
Graduated with Distinction (3.75/4.00 GPA)
 - **Bachelor of Electrical Engineering (B.Eng)**
Ahmadu Bello University, Zaria, Kaduna State (Nov 2015 – Feb 2020)
Graduated with Second Class Upper (4.19/5.00 GPA)
 - **National Diploma in Electrical Engineering (Diploma)**
Federal Polytechnic, Bida, Niger State (Nov 2011 – Sept 2014)
Graduated with Distinction (3.75/4.00 GPA)
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Certifications

- Personal Transformation, Leadership, and Finance | Eternity Network International (ENI)

Hobbies

Traveling, Jogging, Cycling, Reading

References Available upon request