Abdulhafiz Tiamiyu

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PROFILE

Telecom engineer with experience in network technologies, RF planning, network performance monitoring, and coverage analysis. Conducted RF planning analysis for 150+ candidate sites, led a radio (VANU) proof of concept that reduced packet loss from 1.6% to 1% and resolved a VSWR alarm, and configured 100+ Hughes modems. Also lead product development for operational tools that support network teams, including IOP and TATY.

EXPERIENCE

2026/02 – Present
Lagos, Nigeria

Graduate Intern
Infratel Africa

RF Engineering

- Monitored daily GSM and LTE performance for 5 VANU radios on the VANU NMS (accessed remotely via UltraViewer and AnyDesk), tracking availability, CS/PS traffic, SDCCH and TCH drop and blocking, ERAB and RRC SSR, ERAB drop rate and CSFB 4G to 2G, and escalating anomalies across the accessibility, retainability, capacity and transport KPI categories.
- Carried out RF planning desktop analysis for 150+ candidate sites using Google Earth Pro and the NCC coverage map, estimating population and existing network generation and coverage to select the best-fit radio for each location.
- Led the VANU POC to diagnose high VSWR alarms and packet loss on underperforming sites: replaced faulty RF and Ethernet cabling, and when VSWR alarms persisted, reconfigured the radio's VSWR tolerance from 1.1 to 1.4, reducing packet loss from 1.6% to 1%. Repositioned a Starlink terminal on site to clear an obstruction.
- Correlated NMS KPI trends with field observations to isolate root causes of degraded site performance.

Core Network and QA

- Configured SB files for 100+ Hughes smart Wi-Fi modems and 5 Hughes radio modems.
- Set up 10 smart Wi-Fi access points and 2 VANU radios for site roll-out and provided remote access for the teams that configured them.
- Performed QA on BUCs, Nuran and PW radios, and Nigcomsat modems.

2024/05 – 2024/10
Ibadan, Nigeria

Student Intern
Transmission Company of Nigeria

System Operation Department

- Monitored and logged electrical parameters, ran early-morning switchyard inspections, and carried out isolation and switching during maintenance.
- Diagnosed faults from annunciators and restored equipment after tripping.

Protection, Control and Metering Department

- Maintained and repaired protective and control mechanisms for high-voltage equipment.
- Ran circuit breaker diagnostics and site acceptance tests with CPC 100, including current transformer ratio and polarity tests.

Electrical Maintenance Department

- Evaluated transformer oil quality through oil insulation resistance tests, and tested the insulation of electrical equipment.
- Refilled SF6 gas in circuit breakers to prevent arcing, repaired and replaced isolator cables, and maintained the DC batteries for control room annunciators and switching devices.

Lines Maintenance Department

- Maintained and repaired transmission lines, including aluminum and copper cables.
- Replaced accessories damaged by hot spots and conductor cable clamps, and used bimetallic cable lugs for repairs.

Health, Safety and Environment (HSE) Department

- Trained in identifying and mitigating environmental hazards across operational departments, and in the station's safety protocols and environmental management.

2023/08 – 2023/10
Ile-Ife, Nigeria

Student Intern
Al-Qahar Royal Services and Co.

- Laid conduit pipes and carried out conduit and surface wiring for a range of electrical systems.
- Inspected systems, traced faults, and maintained and repaired wiring to keep it reliable.
- Installed electrical fixtures to safety standards and helped design wiring layouts with the team, ensuring connections met client requirements.

EDUCATION

2021/03 – 2025/08
Osun, Nigeria

Bachelor of Engineering, Electrical and Electronics Engineering
Oduduwa University
Second Class Honors (Upper Division)

SKILLS

RF and network

- GSM and LTE KPI monitoring
- RF planning and coverage analysis
- Desktop analysis
- 2G to 5G architecture
- Equipment configuration

Tools

- Network Management Systems (NMS)
- Google Earth Pro
- NCC Coverage Map
- Microsoft Office Suite
- Google Workspace

PROJECTS

2026/09 – 2026/10

TATY
Product owner and builder
A system that documents the lifecycle of a candidate site, built for three user groups (Network Rollout, Product and Management) and taken from PRD to live production. Stages: Identification → Passive readiness → Active integration.

2026/02 – 2026/10

Infratel Operations Platform (IOP)
Product Manager
A ticket escalation chain for four operational units (NOC, Field, Core, Performance), built to speed up issue resolution, reduce downtime and MTTR, and keep network performance under continuous watch.

2026/07 – 2026/08

VANU POC
Program Coordinator
Led a proof-of-concept (POC) investigation on an identified site after VANU radio sites were flagged for underperformance, diagnosing the root cause as high VSWR alarms and packet loss from faulty RF and Ethernet cabling; resolved the issue through reconfiguration of the radio's VSWR tolerance and replacement of faulty cables.

LEADERSHIP EXPERIENCE

2025/03 – 2025/11

Technical Secretary
Nigerian Universities Engineering Students Association (NUESA) South West Zone

- Led planning and coordination of technical programs, workshops and training sessions to build technical competence among engineering students region-wide.
- Drove innovation-focused initiatives that supported practical learning and career development.

2024/12 – 2025/08

Sports Director

NUESA OUI

- Organized and supervised inter-level competitions for the Engineering faculty, handling fixtures, venues and officiating arrangements.
- Prepared and coached the faculty's teams for inter-departmental and inter-faculty competitions, and coordinated their entry into the OUI Sports Collegiate Competition.
- Established a structured sporting calendar to grow participation.

2024/10 – 2025/08

Event Co-Lead

Google Developers Group (GDG) OUI

- Planned and delivered workshops, tech talks and networking sessions with STEM-focused partner organizations.
- Managed event logistics and partner relationships to deliver engaging experiences for participants.

VOLUNTEER ACTIVITIES

2025/03 – 2025/10
Ile-Ife, Nigeria

Program and Operations Representative

IEEE Student Professional Awareness Week (SPAW)

Part of the organizing team, supported program planning, logistics and on-site operations so sessions ran smoothly and participants stayed engaged.

2025/06
Ile-Ife, Nigeria

Logistics Coordinator

Build With AI Ile-Ife

Coordinated event-day logistics, including venue setup, participant registration and on-site resources, so sessions ran on schedule.

REFERENCES

Available on request