Joseph Melvin Kanu

Engineer

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SUMMARY

I am a dedicated Field Maintenance Engineer at Huawei with a degree in Electrical and Electronics Engineering from Fourah Bay College. I specialize in maintaining and optimizing telecommunication networks, ensuring peak performance through proactive maintenance and swift troubleshooting. My role involves tackling complex challenges and contributing to team success in a rapidly evolving telecom landscape. With a strong passion for continuous learning, I am committed to enhancing network efficiency and driving success in projects that address real-world telecom issues.

WORK EXPERIENCE

Field Maintenance Engineer

Huawei Technologies

📅 Apr **2024** - Present -

Freetown, Sierra Leone

1. Conducting preventive maintenance activities on Huawei equipment, such as base stations, transmission nodes, and core network components, to proactively identify and address potential issues.

2. Processing work orders and responding promptly to outage calls, diagnosing and resolving equipment failures or network disruptions to minimize downtime and maintain service quality.

3. Performing backup on critical components, including Ericsson Base-band Units (BBUs), Trans-coder Units (TCUs), and transmission nodes, ensuring data integrity and system redundancy.

4. Collaborating with cross-functional teams, including network operations centers and customer support, to coordinate maintenance activities and provide technical expertise.

5. Adhering to strict safety protocols and industry best practices while working on live telecommunication systems.

6. Documenting maintenance activities, troubleshooting steps, and resolutions for future reference and knowledge-sharing within the organization.

7. Manage an entire region, including Moyamba and Bonthe, taking full responsibility for all operational and maintenance activities.

8. Acceptance Test Procedure

9. Investigate the RCA for each outage.

10. Compile and analyze the RCA and Resolution for each outage.

11. Closing of work order (WO)

ESM Field Engineer

SAGEMCOM

📅 Dec **2022** - Apr **2024**

Freetown, Sierra Leone

1. Installation and configuration of ESM devices from various vendors, such as Enetek, Huawei SMU, Vertiv NCU, DSE gateways, Pramac, Mantrac, and Jet DG boards.

2. Troubleshooting and resolving issues related to ESM devices, power systems, and associated technologies.

3. Configuring and auditing SVI (Site Visualization Interface), a proprietary tool used by SAGEMCOM for managing and monitoring power infrastructure.

4. Installing and calibrating fuel sensors to ensure accurate monitoring of fuel levels and consumption.

5. Traveling across Sierra Leone to perform on-site installations, maintenance, and audits of ESM systems at client locations.

6. Conducting QHSE (Quality, Health, Safety, and Environment) surveys on all Orange sites, ensuring compliance with industry standards and best practices.

7. Manage the entire Western Area region, taking full responsibility for all operational and ESM activities.

Learning Facilitator and Researcher

Learning Facilitator and Researcher

EASY STEM

🗓 Apr **2023**

Freetown, Sierra Leone

1. Facilitating interactive sessions on various STEM topics, tailoring the content to different age groups and skill levels.
2. Developing engaging lesson plans, activities, and experiments that foster hands-on learning and spark curiosity in STEM subjects.
3. Conducting research on effective teaching methodologies, emerging technologies, and innovative approaches to STEM education.
4. Collaborating with the Easy STEM team to create educational resources, such as instructional videos, online tutorials, and interactive learning modules.
5. Providing feedback and insights to continuously improve the quality and effectiveness of Easy STEM's educational offerings.

EDUCATION

Electrical, Electronics and Communications Engineering

University of Sierra Leone, Fourah Bay College

🗓 Dec **2018** - Dec **2023**

Freetown, Sierra Leone

Electronics and Communications Engineering

Full-stack Web Development

Orange Digital Center

🗓 Jul **2022** - Dec **2022**

Freetown, Sierra Leone

Full-stack Web Development, Computer Technology

Solar Installations

Government Technical Institute (GTI)

🗓 Aug **2018** - Sep **2018**

Freetown, Sierra Leone

Solar Installations, Electrical and Electronics Engineering

WASSCE

Prince of Wales Secondary School

🗓 Sep **2010** - Aug **2018**

Freetown, Sierra Leone

PERSONAL SKILLS

Leadership	Communication
Self-motivation	Decision Making
Time Management	Problem Solving

TECHNICAL SKILLS

Acceptance Test Procedure	90%	Preventive Maintenance	90%
Troubleshooting	80%	Survey Methodology	80%
Linux System	90%	Teaching	100%
Network Security	80%	NI Multisim	100%
Electronics Workbench	100%	Internet of Things (IoT) Development	70%
Cloud Technologies	90%	Microsoft Ofce Applications	80%

LANGUAGES

Creoles and pidgins, English-based ⊙ ⊙ ⊙ ⊙ ⊙   English   ⊙ ⊙ ⊙ ⊙ ⊙

COURSES

Job training as ESM Engineer
📅 Dec **2022**

SAGEMCOM

Job training QHSE surveyor
📅 Jun **2023**

SAGEMCOM

Trained on the operation of Airtable to conduct Orange Sierra Leone Site Safety Survey

Job training as Field Maintenance Engineer
📅 Apr **2024**

Huawei Technologies

Trained on preventive maintenance on Huawei equipment, including base stations, transmission nodes, and core network components, to identify and resolve issues proactively.

MOST PROUD OF

Physical Organization
Creative Thinking, Effectiveness, Productivity

Planning
Analyzing Issues, Decision Making, Project Management, Strategic Planning

Team Work
Collaboration, Delegation, Goal Setting, Group Leadership

INTERESTS

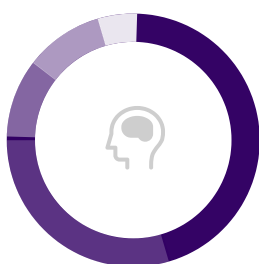STEM   Cybersecurity   Technology Enthusiast   Volunteer Work   Blockchain Technology   Mentorship   DIY Projects

Travel and Cultural Exploration

MY TIME

- Working (45%)
- Family (30%)
- Co-ordination (10%)
- Entertainment (10%)
- Relaxing (5%)

HOBBIES

Travel	Basket Ball	Reading	Movies	CTF	Music	Coding

STYLING CV