

ROUXCEL ABUTO

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Profile

A proactive and service oriented Graduate Electrical and Telecommunication Engineer with hands-on experience in network monitoring, device configuration, and infrastructure maintenance. Proficient in optimizing telecommunications systems, troubleshooting network issues, and ensuring system availability. Passionate about leveraging technology to enhance system efficiency, sustainability, and connectivity.

Professional Experience

2024-11 – present

Nakuru, Kenya

Lead NOC Engineer

Quavatel Limited

- Led a team of NOC engineers in 24/7 proactive monitoring of fiber-optic infrastructure.
- Orchestrated field technician dispatch and managed work orders for rapid fault resolution.
- Monitored signal integrity and bandwidth to ensure strict adherence to SLAs.
- Managed network topology maps and generated detailed Root Cause Analysis (RCA) reports.
- Coordinated immediate response protocols for major fiber cuts and hardware failures.

Achievements:

- Maintained 90% network uptime by proactively identifying issues before outages occurred.
- Achieved 100% accuracy in network documentation and fault logging to ensure seamless audits.

2024-06 – present

Nairobi, Kenya

Graduate Engineers Internship Program, GEIP

Engineers Board of Kenya - Kenyatta Hospital

- Diagnosed and fixed electrical faults to ensure continuous operations across hospital departments.
- Conducted inspections and maintenance of lighting, power distribution, and emergency systems.
- Oversaw plant facilities including water treatment, backup power, and HVAC systems.

Achievement:

- Contributed to a 30% reduction in downtime through proactive infrastructure maintenance.

2022-12 – 2023-12

Nairobi, Kenya

Presidential Digital Talent Programme (Intern)

ICT Authority

- Led a team focused on e-waste management, advancing internal sustainability goals.
- Installed and maintained computer hardware and network infrastructure.
- Provided technical support and digital skills training to end-users.
- Drafted an E-Waste Operational Manual to guide sustainable disposal practices.

Achievement:

- Reduced e-waste by 40% through implementation of a practical management strategy.

Organisations

Girls In Transition

Mentor

- Provide mentorship to early-career female students and graduates, guiding them in career development and confidence building within STEM fields.
- Facilitate interactive sessions on engineering principles, digital skills, and professional growth to inspire participation in technical disciplines.
- Collaborate with fellow mentors to design outreach programs promoting inclusion, leadership, and career readiness among young women.
- Support community engagement initiatives aimed at increasing awareness and accessibility of STEM opportunities.

Achievement:

- Mentored and inspired over **10 young women** to pursue STEM related courses and internships, contributing to a measurable increase in female participation in local engineering outreach programs.

Education

2025	MSc. Operations and Technology Management <i>University Of Nairobi</i>
2016 – 2021	BSc. Electrical and Telecommunication Engineering <i>Multimedia University of Kenya</i>

Awards

Microsoft Student Summit Africa (MSSA 2021)

Microsoft

Overall Winner

Seeds for the Future Program 2020

Huawei

Selected Participant

Certificates

- EBK Graduate Engineer
- IEEE Graduate Member
- PRINCE2 Training, Project Management
- Women In Engineering Member

References

Engineer Alfrick O Owuor, HOD - Engineering Services, Kenya National Hospital
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