

Curriculum Vitae

ENG. AYIER WILLIAM AYIER

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CAREER OBJECTIVE

- To use my Managerial and Technical skills and experiences to add value to the organization and society.

PERSONAL INFORMATION

- Date of birth: 21.05.1991
- Gender: Male
- Nationality: Kenyan

NOTABLE SKILLS

- Excellent oral, written communication and interpersonal skills.
- Dedication and drive as a hard-working individual with integrity.
- Excellent planning, administration and organizing skills.

EDUCATION

- Jan 2018 – Nov 2022: **Jomo- Kenyatta University of Agriculture & Technology**; MSc. Project Management.
- Jan 2010 – Jul 2015: **Jomo- Kenyatta University of Agriculture & Technology**; BSc. Electrical & Electronics Engineering (Second Class Upper division Honours)
- Feb 2005 – Nov 2008: **St. Mary's School, Yala**; K.C.S.E (A plain)

PROFESSIONAL EXPERIENCE

1. NETWORK SUPPORT ENGINEER

Jan 2021 – Present: KENYA AIRWAYS PLC

Responsibilities

- Designing, implementing, maintaining and administering computer networks and related computing environments including systems software, hardware and configurations;
- Creating and maintaining accurate network diagrams and documentation for the designing and planning of the network communication systems;
- Performing network disaster recovery operations and data backups as required;
- Protecting data, software, and hardware from attacks by coordinating, planning and implementing network security measures
- Installing, configuring and supporting network equipment including routers, proxy servers, switches, WAN accelerators, DNS, DHCP, VoIP, wireless access points (WAPs), firewalls, routers, switches, and controllers;

- Troubleshooting, diagnosing and resolving network hardware, software, and other systems' problems;
- Replacing faulty network hardware components when required;
- Implementing and monitoring of network security solutions to protect the network equipment and applications from harmful attacks;
- Monitoring network performance to determine if adjustments need to be made to maximize network performance and security;
- Advising on procuring of network equipment and managing subcontractors involved with network installation;
- Implementing and maintaining secure network systems with policies that define and monitor access;
- Maintaining and administering upgrades and updates to network equipment to the latest firmware releases.

2. BROADCAST ENGINEER

Sept 2019 – Dec 2020: NATION MEDIA GROUP

Responsibilities

- Work with operations and production to design workflows utilizing existing and new equipment
- Provide written & verbal reports or instructions to peers, management, and clients
- Perform system checks and maintenance schedules to ensure equipment is well maintained and performing as expected
- Project management
- Works with external providers to resolve technical and workflow issues with provided equipment and systems
- Computer networking
- Secondary Responsibilities (a) This position has a secondary responsibility for the transmission facilities, in the absence of, and under the direction of the Chief Engineer. (b) Serve as backup to Digital Coordinator, assisting with web postings, including transmitter status updates

3. PROJECT MANAGER

September 2018 –September 2019: MASABA SERVICES LTD

Projects Undertaken

1. Project Management-Fixed Data Service
2. Project Management-Ceragon Networks Projects
3. Project Management-ATC Site Optimization
4. Project Management-ATC Access Roads Projects
5. Project Management-CA LAN Networking & Connectivity for schools
6. Project Management-CA LAN Networking for schools
7. Project Management-Ericsson Microwave Projects
8. Project Management-Ericsson In-Building-Solutions [IBS] Projects

Roles:

- Coordinating resources, stakeholders and vendors for the flawless implementation of projects delivery on-time, within budget and meeting internal & customer quality

standards

- Developing and leading the project strategy adoption
- Talent development of assigned project managers, project engineers & technicians
- Provide operational support to project managers, project engineers & technicians
- Maintaining service excellence to customers throughout the customer journey
- Develop implementation plans & provide technical solutions to business development teams in preparing customer proposals
- Guide, review and direct network planning, Designs for customer sites
- Oversee running and SLA management of the Network Operations Centre
- Oversee Project billing and inventory management

4. RADIO FREQUENCY PLANNING OPTIMIZATION ENGINEER

July 2017- September 2018: ESSAR TELECOM KENYA (YU)

Responsibilities

- GSM Radio Network Planning
- Swapping experience, swapping 739 YU sites from Ericsson to ZTE across the country(Kenya).Analyzing Network feature performance after new implementation e.g. Equipment Swap
- Optimization and re-engineering of GPRS/EDGE network to attain acceptable throughput
- Parameter Planning and configuration (BSIC, MAIO, HSN)
- Continuous analysis of traffic in view of upgrading radio base station to continually meet the company's standards
- BTS Capacity Optimization: Both voice and Data Resources (TRX addition/removal and redeployment to ease network capacity & Reduce Congestion
- Proposing rehomings of sites, ensuring both KPIs and Quality is maintained after the rehomings exercise
- Hardware faults resolution by use of Anritsu site master to measure carrier or, combiner output power, feeder cable SWR, Return loss.
- Fine tuning of network (Neighbor list modifications, BTS parameters changes, Physical Optimization - Changing antenna height, azimuth, type, electrical tilts)
- Site Health check with NOC team for removal of HW/SW alarm at site, if any
- Reporting/Escalation and following-up the work orders.
- Performing Network Audit (antenna installation, RF cable termination) and general RF optimization to improve on network quality
- Technical Site Surveys
- Generation of search ring for Macro & Micro Cells Sites
- Site survey for In-building Coverage Solution
- Coverage area survey and Proposal of coverage plan
- Preparation of Candidate assessment report and validations
- Drive Testing/Network Measurements
- Post processing of log files and report generation to resolve negative network issues captured by the drive tests & network statistical data
- Carrying out data tests (ftp download and upload)
- Carrying out indoor walk test for verifying indoor coverage.

5. ELECTRICAL PROJECT ENGINEER

July 2015- July 2017: SAFAL GROUP

Responsibilities

- Supervise electrical project team, proper engaging and delegating of manpower as well as ensuring jobs are effectively planned and executed.
- Implementation of projects to approved standards within time and budget.
- Provide technical support by responding to request of electrical problems for all project work.
- Ensure safe and reliable installation as well as electrical maintenance are in good condition all times.
- Ensure all project documents/documentation is well kept.
- Ensure all drawings, manuals and records are well filed and accessible for reference.
- Ensure all electrical and measuring tools are functioning and well stored.
- Timely preparation of project technical reports and documentation.
- Interpretation and making drawing using AutoCAD and Microsoft Visio for electrical project related activity.
- Ensure compliance with requirement of health and safety legislation, standard procedures and practices at all times.
- Ensure high standards of housekeeping at the electrical work areas, electrical workshop and project site.
- Guide project installation and commissioning on final load testing.
- Work with project contractors and suppliers in ensuring high quality of work and compliance with all company policies and regulatory guidelines.
- Support the Electrical Manager- Projects with electrical project establishment and closeout and any special jobs assigned by the Electrical Manager- Projects

INTERESTS AND HOBBIES

Mentoring young people and participating in Charity works.

PROFFESIONAL BODIES AND ASSOCIATIONS

Engineers' Board of Kenya	Reg no.B11808
Institution of Engineers of Kenya	Member No. G.9385

LICENSES

EPRA	Electrician	Class C1	No. EPRA/EW/07296
CAK	TP	Class A	IMWE
EBK	PE	Electrical & Electronics	

REFERENCES

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