Hussein Bbaale

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Wireless RAN Engineer

EXPERIENCE

New Frontier Technologies, Uganda —Wireless
Engineer-RAN

September 2017 - PRESENT

Responsibilities:
-First level maintenance, fault troubleshooting, escalation and
coordination with other vendors to maintain maximum network up-time.
-RAN product configuration, integration, expansion and migration
management on M2000/CME.
-Drafting new site solutions, HLD/LLD, and providing the necessary
support to Field Engineers.
-License operation and maintenance for all Huawei RAN products.
-RAN Product Software Update/Upgrade Management.
-Customer Issue handling and troubleshooting of network technical
problems.
-Ensuring completion of New Site Rollout within stipulated time.
-Helping in network assurance support activities.
-KPI and Trace Management specific to customer complaints.
-Ensuring correct work methodology to avoid outages due to unawareness.
-Performing quality checks for configuration changes done by MS
Engineers.
-Analysing Scope, define and design solutions within the Radio Access
Network.
-Developing technical presentations and proposals, and performing
customer presentations.
-Antenna RET and ALD optimization
-Identifying issues and drive improvements.
-Involvement in incident and problem management.
-Preparing and executing system tests, module tests and acceptance tests.
-Executing of post project completion activities.
-Supporting in product pre-sales activities.
-Supporting in RAN solution deployment.
-Providing feedback to R&D.
-Involvement in feature SW/HW testing trials.
-Capacity and performance Improvement.
-End-user Quality of Service Optimization.
-Working proactively in a project team.
-Physical site survey, RF survey, for new Node installation and

SKILLS

-Microsoft office tools

-Huawei U2000/CME

-Huawei BTS3900

-Huawei BSC6900/6910

-GSM,UMTS and LTE

-Proactive

-Interpersonal

-Analytical

-Collaborative

-Fast learner

-Multi tasking

-Time management

-Empathy

-Integrity and Honesty

AWARDS

**-Huawei Network Cyber
Security Team, Rock Solid
Award**

**-Huawei MTN IP and IT
project team, Warrior Spirit
Award**

**-Huawei MTN RAN
Modernisation project team,
Best Sales Team Award**

**-Huawei MTN Delivery and
Service Team, Best Delivery
and Service Team Award**

-Huawei WLAN Certification

-Commissioning and acceptance.
-Responsible for configuration changes of BSS network within the scope of
work as delegated.
-Doing physical site survey, RF survey, for new Node installation and
-Commissioning and acceptance.
-Participating in internal technical discussion in view to improve
-Performance and make recommendations wherever possible.

Huawei Technologies Co. Ltd, Uganda —Wireless Engineer-RAN

February 2015 - August 2017

 Responsibilities:
- First level maintenance, fault troubleshooting, escalation and
coordination with other vendors to maintain maximum network up-time
-Installation, Commissioning and Maintenance of Huawei RAN products.
-Carrying out site expansions and configuration changes as per
requirement.
- Software upgrade/patch update activities for BSC, RNC, GBTS, NodeB and
eNodeB
-New site creation, Site deletion, Site re-homing, Sector creation, Sector
deletion, KPI extraction.
- Coordinating with customer staff, different operators and vendors and
maintenance partners for resolving Network related issues.
-Doing physical site survey, RF survey, for new Node installation and
Commissioning and acceptance.
-Handling sub-contractor manpower to complete installations
successfully.
-Drafting site solution designs, site expansions and configuration changes
as per requirement.
-License operation and maintenance for Huawei Equipment.
-Performing routine system data backups.

Huawei Technologies Co. Ltd, Uganda —Site Engineer

February 2014 - December 2015

-First level site maintenance, fault troubleshooting, issue escalation and
coordination with MS teams to maintain maximum network up-time.
-Supervise the hardware installation quality on sites.
- Responsible for site solution design and implementation.R
-Responsible for acceptance.

Chain Link Technologies, (U) Ltd., Uganda — *Site Engineer*

June 2011 - January 2014

-Huawei RAN product installation and maintenance.
-New site quality assurance.

EDUCATION

Kyambogo University, Kampala, Uganda. — *Bachelor of Engineering in Telecommunication Engineering*

August 2013 - December 2016

Makerere University, Kampala, Uganda. — *Certificate in AUTOCAD*

November 2011 - December 2011

Kyambogo University, Kampala, Uganda. — *Ordinary Diploma in Telecommunication Engineering*

August 2009 - December 2011

PROJECTS

Warid Uganda Phase2 — *Site Engineer*

Huawei new site build and expansion on the Warid Uganda network (November 2011).

Warid Uganda Phase3 — *Site Engineer*

Huawei new site build and expansion on the Warid Uganda network (June 2012).

Airtel Uganda network Merging Swap — *Site Engineer*

Merging of Warid Uganda BTSs into the Airtel network (December 2013).

Airtel Uganda 21k Erlang Expansion — *Wireless Engineer-RAN*

2G TRX expansion for Airtel Uganda (February 2015).

Airtel Uganda 3G 2nd and 4th Carrier expansion — *Wireless Engineer-RAN*

Adding new 3rd and 4th carrier cells on existing 3G sites (April 2015).

Airtel Uganda bulk PO — *Wireless Engineer-RAN*

New site build, existing sites' expansion, dismantle and decommissioning and Ericsson to Huawei BTS swap (January 2016).

MTN Uganda 3G CE Expansion — *Wireless Engineer-RAN*

Installation of new CE baseband processing boards for existing 3G sites (December 2017).

Airtel uganda 3G 4th carrier Expansion — *Wireless Engineer-RAN*

Adding new 4th carrier cells on existing 3G sites (January 2018).

Airtel Uganda ZTE-Huawei BTS swap — *Wireless Engineer-RAN*

Swapping out (cold and hot) existing ZTE sites to new Huawei BTS3900 (January 2018).

MTN Uganda U900 phase1 — *Wireless Engineer-RAN*

First phase of GU900 hardware installation and service commissioning (February 2018).

MTN Uganda RTWP Rectification — *Wireless Engineer-RAN*

Troubleshooting RTWP issues for all affected sites on the network (March 2018).

MTN Uganda GL1800 phase1 — *Wireless Engineer-RAN*

First phase of GL1800 hardware installation and service commissioning (April 2018).

MTN Uganda new 3G Sites' service — *Wireless Engineer-RAN*

Installation, integration and commissioning of new 3G service on existing GSM only sites (April 2018).

MTN Uganda U900 Phase2 — *Wireless Engineer-RAN*

Second phase of GU900 hardware installation and service commissioning (June 2018).

MTN Uganda RNC Expansion — *Wireless Engineer-RAN*

Capacity expansion for existing RNCs (BSC6900/6910) (July 2018).

MTN Uganda High Power RRU swap — *Wireless Engineer-RAN*

Installation of new high power RRUs for 3G coverage (August 2018).

Onatel Burundi New GUL site build — *Wireless Engineer-RAN*

New GUL site installation, integration and commissioning (August 2018).

MTN Uganda GL1800 Phase2 — *Wireless Engineer-RAN*

Second phase of GL1800 hardware installation and service commissioning (September 2018).

MTN Uganda Split Sector implementation — *Wireless Engineer-RAN*

New RRU and Antenna swap for introducing split sectors on existing sites for capacity improvement (October 2018).

MTN Uganda GL1800 Phase3 — *Wireless Engineer-RAN*

Third phase of GL1800 hardware installation and service commissioning (December 2018).

MTN Uganda U900 phase3 — *Wireless Engineer-RAN*

Third phase of GU900 hardware installation and service commissioning (January 2019).

MTN Uganda H1 New site build — *Wireless Engineer-RAN*

First batch of new 2019 GUL site build, (installation, integration and commissioning) (January 2019).

MTN Uganda GL1800 Phase4 — *Wireless Engineer-RAN*

Fourth phase of GL1800 hardware installation and service commissioning (April 2019).

MTN Uganda GL1800 Phase5 — *Wireless Engineer-RAN*

Fifth phase of GL1800 hardware installation and service commissioning (June 2019).

MTN Uganda L850 Audit — *Wireless Engineer-RAN*

Assessing coverage and impact of L850 and decommissioning worst performing sites (july 2019).

MTN Uganda H2 New site build — *Wireless Engineer-RAN*

Second batch of new 2019 GUL site build, (installation, integration and commissioning) (August 2019).

MTN Uganda WTTX and Home Internet project— *Wireless Engineer-RAN*

Deployment of numerous CPEs to customer residences for better network experience (September 2019).

MTN Uganda L2600 Expansion — *Wireless Engineer-RAN*

Hardware installation and commissioning of L2600 on existing GU sites (October 2019).

MTN Uganda Summer Modernisation — *Wireless Engineer-RAN*

Network Modernization, including new installation and expansion of existing L2600,L1800 and GU900 services for 635 sites. (January 2020-)

MTN Uganda Summer H1 new build sites— *Wireless Engineer-RAN*

First batch of new 2020 GUL site build, (installation, integration and commissioning) (March 2020).