

Hasnat Ahmed

OSS/RAN Engineer

**Australian Permanent Resident
Eligible to work in Australia/NZ**

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Summary Skills

- Highly accomplished, innovative and performance-oriented Leader with 10 years of diversified cellular Planning, Operations, Customer Support, Project Management, Operations Support and workforce management experience having technical background in Telecom (5G, LTE, 3G, 2G) market.
- Experience with cellular operators and vendors in a challenging Operational and multicultural environment.
- An extensive experience to achieve the desired results, strong team performance and goal achievement through in-depth planning, leadership techniques, budget management, efficient cost and business control.
- Experience of planning, troubleshooting, optimizing and configuration of GSM/WCDMA/LTE/5G equipment.
- Hands on experience of telecommunication network operational tools such as Huawei U2020/M2000/CME/PRS, Ericsson ENM/OSS-RC/ENIQ/BIS/WinFiol/SHM/SMO, Nokia NetAct/EMIL/HIT, and Alcatel-Lucent SAM/WMS/OMC-R /WPS/NPO.
- Excellent Fault management skills and proficient in using tools.
- Multi-vendor experience: Ericsson, Huawei, Nokia and Alcatel-Lucent.
- Ability to work under pressure, analytical and methodical approach to resolve complex problems using alarm Information, documentation and knowledge.
- Experience in working closely with other departments for planning and implementing future developments and resolving problems.
- Experience of working in competitive and high pressure environment with multitasking skills.

RAN Technical Expert, Network Development, UAE



Responsibilities include but not limited to

Dec-2016 – Till date

- Planning and Integration of Complete Wireless Lab Setup for all Radio Access Technologies (5G, 4G, 3G & 2G) of different vendors like Ericsson, Nokia and Huawei.
- Responsible for making End to End design for Single RAN new solution and Implementation.
- Successful trails in Lab for 1st 5G Call in Etisalat Network with Ericsson, Huawei and Nokia using Non-Stand-Alone' (NSA) option 3x.
- Performing Software upgrades for OSS and RAN Nodes (Ericsson Blade OSS-RC/ENIQ/ENM, BSC EVO-8200, RNC, Huawei U2020/OSMU/mAOS/CME, SRC6910 and Nokia NetAct, mcBSC, mcRNC).
- LTE TDD and 5G Synchronization testing for band C.
- 2nd order Intermodulation Impact and 2nd order Harmonics testing for 5G DL SCG.
- Implementation and Testing of New Software's for 5G and SRAN nodes for all vendors.
- Integration and testing of Ericsson 5G RDS (DOT) solution in Lab.
- Integration and testing of 1st 5G Huawei Lamp site in Lab.
- IoT (CAT-M1/NB-IOT) Testing and Trials.
- Preparing and finalizing HLD's and LLD's for RAN nodes.
- Successful Implementation and Testing of 1G trail on Huawei FDD eNB with 3CA and 4T4R MIMO.
- Preforming troubleshooting of low throughput with all three RAN vendors with different OLTs (Nokia, Huawei, Zhone) and different EPC/VEPC (Affirmed & Huawei).

Integration Professional Mobile Networks, UAE



RAN Technical Consultant

Oct-2014 – Nov-2016

- Worked on ALU 9153 2G OMC-R, 9353 WMS Small Cells and 9361 HC (BSR-Cluster 4.03), 9952 WPS (Wireless Provisioning System), 9959 NPO (Network Performance Optimization).
- Implementation of new features like BSSOIP, AUPoIP and LBoIP/SMLC on 9130 MX BSC.
- Implementation of IPGSL and IPGCH on 9130 MX MFS.
- Software Migration of OMC-R 9153, MX BSC and MX MFS to LR13.3 and LR14.3 release.
- Configuration of ALU OMNI SWITCH 6850E.
- Implementation of AFOS (New Frequency plan) using MLU.
- Managing OMC-R team for new rollout sites troubleshooting, expansions, swap projects and cutovers.

- Successfully completed ALU network SWAP from TDM to IP for 1400 sites.
- Provided Level II support for all product lines.
- Worked with R&D and product support to fix SW bugs.
- MC-TRDU and MC-RRH Troubleshooting expertise.
- Ensuring the Network security and reliability.
- Responsible for the Operational delivery as per contractual KPI and SLA regarding the effective implementation of network surveillance, fault management, performance reporting, network change control & configuration management.
- BSC's IP planning for Etisalat Network.
- Performed MSC and SGSN cutover activity for MxBSC's.



BSS Executive 2G/3G Networks, Pakistan

BSS Engineer

Jun-2014 – Sep-2014

- Operation & Maintenance of Alcatel 3G nodes 9370 RNC, nodeB and 9353 WMS.
- Operation & Maintenance of Alcatel 2G nodes 9153 OMC-R, MX BSC and MX MFS.
- Managing Alcatel-Lucent B11-B12 Software migration of OMC-R, BSC, MFS and Transcoder.
- Frame Relay to GBolP Conversion of MX BSC's.
- Rehoming and Re-parenting activities to reduce Traffic, Ater and TRX loading on MX BSC's.

B11-B12 OMC-R/BSS Software Migration, Cameroon



RAN Consultant

May-2014 – Jun-2014

- Software Migration of OMC-R XLARGE from B11 MR3 to B12.2 ed1.5 QD3 Edition.
- B11-B12 migration of BSC's, MFS and 2.5G 9125 TC.
- MLPPP to IP conversion of MX BSC's.

Back Office RAN, Pakistan



OMC-R Engineer

May-2013 – Apr-2014

- Providing level II Support to customer on Alcatel-Lucent OMC and BSS equipment BSC, BTS and MFS.
- Implementation of work orders from RF optimization and BSS planning.
- To resolve QoS issues which involves Call Drops, Preparation failure, RTC drops, Congestion, HO failures, Zero Calls, Low CSSR /HSR, High CDR and other quality of service issues.
- To solve the trouble tickets generated by the customer within the defined neutralization time.
- Fine tuning of BSS parameters and frequency plan to meet network quality & KPIs.

B10-B11 OMC-R/BSS Software Migration, Algeria



RAN Consultant

Nov-2012 – Mar-2013

- Providing level II support for a huge network of approx. 220 BSCs (MX/G2), 4 OMCRs and 17 MFS (5 MX MFS, 8 RC40, 4 RC23).
- B10-B11 migration of BSC's (G2 & MX), MFS (MX (Evolution) and Legacy (RC23 & RC40)).
- Successful Implementation of LBoIP feature Trial.
- Inter-OMC BSC/MFS Shifting.
- Resolving DLS errors during Pre-checks of BSC migration.

B10-B11 OMC-R/BSS Software Migration, Nigeria



RAN Consultant

Mar-2012 – Jun-2012

- Commissioning of 4 XX Large OMC-R Servers on Sun Machines M4000 and M3000 in B11 MR1 Release.
- Upgrade of 1 V490 OMC-R Server to B11 MR1 Release.
- Inter-OMC Shifting of BSC/MFS from Old Server V490/V880 to New Server M4000.

- Installation of Solaris 10 as OS for OMC based application.
- B10-B11 migration of BSC's (G2 & MX), MFS (MX (Evolution) and Legacy (RC23 & RC40)).



NOC RAN Level-II Team, Pakistan

BSS Support Engineer

Oct-2011 – Feb-2012

- Worked as a NOC RAN Level-II Expert in largest cellular company in Pakistan with hands on experience on Alcatel and Huawei RAN equipment.
- The main responsibility was configuration tasks sent by RAN Deployment, RF Optimization, RAN Planning and Cell planning like cell site level change, new cell site creation, TRX addition/deletion, BSC's migrations, sites rehomeing with high performance and 100% error free configuration of the network.
- Provided technical support to O&M teams on all the RAN related issues and fault surveillance of the RAN Network, network issues escalation to respective operation teams, providing level 2 supports for quick problem fix, subsequent information and updates to customer services.
- Preparation of SOP's for smooth functioning of departmental organs and SLA for organized interaction with departmental interfaces and outside customers.
- Automation of coordination reports like BSS All Alarms Report, NUR Report, RSL Report, GPRS Report, and Down Sites Report etc.
- Effectively escalate & liaise with Vendor support until fault resolution.
- Maintained all KPI's and SLA's according to agreed levels and manage planned activities.



Network Operations Team, Pakistan

Technical Support Engineer

Jan-2011 – Sep-2011

- Worked on Alcatel-Lucent A1353-RA platform for configuration and troubleshooting of the whole Alcatel-Lucent BSS network according to the system requirements.
- 24/7 support to customer (Mobilink) to maintain smooth and fault free functioning of commissioned network elements(BTS,BSC,MFS,TC,OMCR).
- To solve trouble tickets generated by the customer within the defined SLA.
- Responsible for the co-ordination with CTAC/RTAC for Trouble ticket requiring level III support.
- To read and correct problems in the DLS (Database) of a BSC.
- G2 renovation project in which new Evolution MX BSCs are installed and 3000 BTS sites are re parented.
- Analyze K15 traces (Abis and A interface).
- Configuration of Cisco routers (Type-1, Type-2 and MLPP) for OML routing of Alcatel BSCs (G2 and MX) to OMC-R and maintain their connectivity sheets.
- Performed B10-B11 Migration of MX BSC's and MFS Evolution.
- Part of the MX Task Force team. Objective was to identify and resolve MX BSC issues proactively and avoid BSC Outages.
- Commissioning of A9130 MX BSC and A9130 MX MFS.



Technical Assistance Centre, Pakistan

Helpdesk Engineer

Jan-2010 – Dec-2010

Skills

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| <ul style="list-style-type: none"> • Ericsson ENM & Blade OSS-RC. • Nokia NetAct. • Huawei U2020/M2000, PRS and CME. • BSC/RNC, BTS/NodeB/eNB Upgrade. (Ericsson) • OSS-RC/ENIQ/BIS Upgrade. (Ericsson) • U2020/PRS/OSMU Upgrade. (Huawei) • BSC/RNC, BTS/NodeB/eNB Upgrade. (Huawei) • Mediation and Component Installation. (Huawei) | <ul style="list-style-type: none"> • NetAct SP and OMS Upgrade. (Nokia) • BSC/RNC, BTS/NodeB/eNB Upgrade. (Nokia) • Alcatel OMC-R, NPO and RAN. • LINUX/UNIX. • Solaris 10/11 OS. • MS Office. • Secure CRT, FTP, SFTP, Putty, FileZilla, WinSCP. • Excel Macros. |
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Trainings

- Ericsson ENM18 Operations for RAN.
- Ericsson OSS-RC Operation & Maintenance.
- Huawei 5G Integration and Troubleshooting.
- Nokia Air-Scale and Flexi MR BTS Commissioning, Integration & OAM.
- Nokia NetAct Operation & Maintenance.
- Nokia NetAct Configuration Management.
- 5G Air Interface.
- Nokia mcBSC DX Troubleshooting.
- Nokia mcBSC Operation & Maintenance.
- Nokia mcRNC 17 Operation & Maintenance.
- Nokia mcRNC 17 Troubleshooting.
- Basics of Python.

Education

Bachelor of Electrical Engineering (Specialization in Telecom), AIR University, 2005 till 2009