



SIBBIR AWAN

Radio Access Engineer, Robi Axiata Ltd.

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Summary

My multi-faceted experience makes me ideally equipped to take on challenging technical roles. As a result-driven professional passionate about quality networks, I strive to maximize efficiency through discipline and innovative problem-solving.

Work experience

Radio access engineer 2021 - present

Robi Axiata Bangladesh Ltd

- Modified and tuned parameters for various types of radio access network (RAN) products, such as base transceiver station (BTS), base station controller (BSC), and radio network controller (RNC), based on customer complaints to enhance user experience
- Created health check reports for radio and IP networks, ensuring optimal performance and safeguarding against cyber or external threats
- Implemented preventive measures remotely during natural disasters to ensure uninterrupted emergency telecom support in affected areas
- Troubleshoot and provided remote support to field engineers in the maintenance and configuration of diverse radio access network products deployed across Bangladesh, enabling seamless 2G, 3G, and 4G services

Field support engineer 2019 - 2021

E.CO Bangladesh Company Ltd Noakhali

- Field responsibilities
 - Trouble shooting BTS and Transmission hardware (Ericsson DUW) (Minilink transmission)
 - Onsite support for rectifier trouble shooting (Emerson/Eltek/Huawei/DPDC) Quality control for solar installation and other outdoor activity.
 - PAT for various new Roll out
- equipment. Office responsibilities
 - Network monitoring in roster to ensure DC power supply and hardware malfunctioning (Robi Noakhali zone)
 - Maintain third party by providing TT for refueling and PG run purpose Monitoring and maintenance of TN and RTN link equipment's'
 - Handling various type of quality TT such as E1 error check, VSWR issue, ETC

RAN Engineer 2017 - 2019

ZTE Corporation Bangladesh LTD

Project: Banglalink NEC cutover Khulna zone
Worth: \$8M

- Key Achievements:
 - Upgraded over 500 sites from 2G to 3G within the first quarter, enabling early revenue generation
 - Maintained network uptime above 99.9% SLA through proactive issue identification and rectification
- RAN Implementation and Optimization:
 - Deployed 25+ RNCs and 2500+ NodeBs nationwide for Banglalink's 3G upgrade Single-handedly installed and commissioned all radio network equipment within tight timelines

BSS Engineer

Huawei Technologies, BD

- Project: Banglalink GSM BTS Swap and Expansion Worth: \$2M
 - Led hot-swap of 500+ BTS units, completing cuts over seamlessly with zero downtime
 - Deployed in-building BTS solutions in major commercial buildings to enhance coverage
 - Conducted RF optimization to maximize throughput and satisfy KPI targets
- Project: Bharti Airtel Implementation Worth: \$5M
 - Deployed 50+ BSC and 1000+ BTS units nationwide for carrier's 3G rollout Managed 20+ field engineers and met aggressive monthly installation targets Streamlined processes to reduce commissioning times by 30%

Education

B.Sc in Electrical & Electronic Engineering 2006 - 2010

Brac University

B.Sc in Electrical & Electronic Engineering, 2010
CGPA: 3.00 Out of 4.00

Higher Secondary Certificate 2003 - 2005

B.A.F. Shaheen College

Higher Secondary Certificate Examination, 2005
Board: DHAKA
GPA: 4.50 Out of 5.00

Secondary School Certificate 1994 - 2003

Ideal school and college

Secondary School Certificate Examination, 2003
Board: DHAKA
GPA: 4.75 Out of 5.00

Skills

Radio access

Base transceiver station (BTS), Base station controller (BSC)
Vendor:: Huawei, Ericsson, ZTE
Technology:: 2G,3G,4G
Expert in both installation, commissioning & maintenance

Technology, Software & Tools

M2000,U2000 (Huawei)
Element network manager (ENM), Site operation element manager (SOEM)
WinFol (Ericsson)

+Transmission

Type :: Microwave & Fiber
Vendor :: Huawei (RTN), Ericsson (TN minilink), Cisco (router & switch)
Capable of both installation, commissioning & maintenance

Web Tech & DBMS

WordPress, PHP, JavaScript
MySQL
VBA, Python

About

I am a telecom network management expert with hands-on expertise planning and developing data-driven automated solutions that improve field force mobility and reduce human hours. I have 10 years of working experience in technology operations in variety of roles, thus I have a thorough understanding of telecom network topologies and operational eco-system. As a technical lead, I have also managed digitalization projects with external vendors.