

ASHISH MAURYA

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📍 Prayagraj, Uttar Pradesh

PROFESSIONAL SUMMARY

Dynamic and detail-oriented Telecom professional with over **7.6 years of experience** in **Radio Signal Analysis, Network Optimization, and Protocol Testing** across technologies like **5G, LTE, VoLTE, VoNR, EPSFB, WCDMA and GSM**.

Proven expertise in **RF Optimization, Alarm Troubleshooting, Network Performance Analysis, and Drive Testing**.

Adept at stakeholder collaboration, team handling, and delivering high-quality technical solutions under tight deadlines.

CORE COMPETENCIES

- **Protocol Testing:** LTE, 5G NR, VoLTE, IMS, RRC, NAS, SIP
 - **RF Optimization:** KPI Monitoring, Cell Planning, Interference Mitigation
 - **Tools:** QXDM, QCAT, Wireshark, TEMS, NEMO, ELT, ASR, Logel, MapInfo, Google Earth, AZENQOS, X-call, Site Forge
 - **Log Analysis:** Drive Test Logs, Diagnostic Logs, Tcpdump,
 - **Site & Network Operations:** eNodeB/GNodeB Commissioning, SCFT, EMF Surveys (NARDA), RSRP/SINR Improvement
 - **DevOps & Platforms:** Docker, Kubernetes, Jenkins, AWS, Ansible
 - **Scripting & Basics:** Python (Basic), HTML, Linux (RedHat/Fedora)
 - **Others:** Microsoft Office Suite (Excel, Word, PowerPoint),
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PROFESSIONAL EXPERIENCE

NR/LTE Protocol Testing Engineer

Marquistech Technology Pvt. Ltd. | Jun 2024 – Present

- Expertise in Developing, Review and Execution of Test Cases.
- NR & LTE Functional Testing of various VoNR, VoLTE, LTE, VoWiFi, and Data only devices.
- Performed Regression, Full Scope Test & Sanity Tests on Jio feature phone, prelaunch Smart phone devices, iPhone devices.
- Reporting Issues & defects, Reproducing Issues in live network, collecting the log to create Issues.
- Field Testing of various mobile handset in Live Radio conditions.
- Log capturing on logging tools QXDM, GENIE, ELT and on device logging for different Chipset.
- Working knowledge of test case execution including Throughput, Handover, Reselections, RACH process, CSFB, VoWiFi, CA, DSDS, IMS, RAN, Rank Index, UE capability, PRACH Tx Power test Scenarios.
- Execute Field test cases to verify the call performance, voice quality and data performance and location functionality of mobile phones.
- Understanding of IMS architecture with all the nodes (P-CSCF, I-CSCF, S-CSCF) and having good knowledge of IMS call flow including IMS Registration.
- Experience in Full scope testing, sanity testing, Feature testing, Functional testing, Device Flashing, Compatibility testing, Retesting, Regression Testing.
- Raised defects in JIRA for any issue while execution.
- Hands on experience on Reliance Jio products ITEL mobile, JNM2550, Narrowband IoT (JPT1740) as well as Wideband IoT (JCR1440).
- Basic knowledge of 5G/NR Architecture, Standalone procedure, non-Standalone procedure.

PROJECT-1//

- Project Name: Wonderland-DNI & Wonderland-ACME
- Devices testing of Feature phones, Smart phones, iPhone14 & iPhone 13 for Reliance Jio.
- Client: Reliance Jio
- Location: Noida, India

- Position: Test Engineer

Description: -

- Sanity, functional testing & full scope testing of multi-vendor devices & feature phones.
- Throughput testing of feature phones, smartphones & Prelaunch smart phone devices.
- Out of service shield box testing & test case execution & retesting issue.
- RSRP report creation for Jio feature phones and smart phones.
- Performing RAN, service-based handover, Cell Selection, Cell Reselection, Throughput, call performance, VoNR, IMS, VoWiFi, CA .
- Skilled in Test planning, making test plans, Managing Reports and finalizing report with defect management.
- Mobility for issue retest & test case execution.
- Testing different chipset devices using diagnostic tools like QXDM, QCAT, Wireshark & ELT.
- Carry out Basic analysis to find possible issues using captured logs.

Knowledge Gain: -

- Working knowledge of different IMS call flow.
- Good understanding of Volte, VoNR, EPSFB
- Knowledge of Mobile chipset testing, and Prototype models.
- Good knowledge in LTE architecture, Channels, call flows, IMS registration, Power acquisition, LTE protocol stack, CSFB, SRVCC technologies.
- Knowledge of QUALCOMM and MediaTek Chipset like as (Flashing, Backup & Modem Log)
- Knowledge of Sanity, Functional, Performance, Supplementary and Application Testing.
- Log analysis on QUALCOMM and MediaTek chipset using QXDM and ELT tools.
- Knowledge of TCP/UDP protocol.
- Involved in writing test cases for SIP functionality for various features such as call cancellation, call transfer, call forward, busy, no answer.

RF Optimization Engineer

Sigma Supply Chain Solutions Pvt. Ltd. | Jan 2024 – Mar 2024

(Client: Ericsson India – Jio MH)

- Optimized network performance and resolved complaints on call drops and HO failures.
- Conducted **site audits, antenna tilt corrections, and initial tuning** for new GSM/WCDMA /LTE/NR sites.
- Implemented optimization plans to enhance RSRP, RSRQ, SINR, and throughput performance.
- Worked with planning and operations teams to tune parameters and resolve network issues.
- Generated daily and weekly performance reports for management and client review.
- Network Planning, Cluster Optimization, Frequency Planning, Reporting & Analysis, Troubleshooting

RNO Engineer

Comm4 Telecom Pvt. Ltd. | Feb 2023 – Dec 2023

(Client: Ericsson India – Jio Punjab)

- Drove site planning, coverage audits, and KPI improvement.
- Performed LTE/NR drive tests using X-CAL to evaluate signal strength, call quality, and handover performance.
- Managed hardware verification and recommended changes to reduce interference.
- Conducted SCFTs and Cluster drives for new site integrations and performance evaluations.
- Analyzed logs and KPIs to identify coverage gaps, interference, and handover failures.
- Implemented optimization plans to enhance RSRP, RSRQ, SINR, and throughput performance.
- Worked with planning and operations teams to tune parameters and resolve network issues.
- Generated daily and weekly performance reports for management and client review.

RF Coordinator

Steelman Telecom Pvt. Ltd. | Jan 2021 – Dec 2021

(Client: Ericsson – VIL & Jio Maharashtra)

- Generated and submitted EMF compliance reports.
- Generated and submitted 11A & 11B reports to customers.

- Conducted EMF surveys using NARDA tools for Jio and Airtel.

DT Engineer

Aerial Telecom Pvt. Ltd. | Jan 2019 – Dec 2020

(Client: Nokia, Ericsson – Airtel & Vodafone Maharashtra)

- Performed SCFT, Tems and coverage testing; used Google Earth and Site Forge for planning.
- Scheduled and executed cluster drives, improved RSRP, SINR metrics.

DT Engineer

Shivam Infocom Pvt. Ltd. | Oct 2017 – Dec 2018

(Client: Nokia, Ericsson – Rajasthan)

- Performed SCFT, Tems and coverage testing; used Google Earth and Site Forge for planning.
- Conducted drive tests for coverage measurement including SCFT (Single Cell Function Test), Cluster Drive, and specific tasks using tools like TEMS, to evaluate site coverage, handover performance, and downlink throughput.
- Conducted drive tests for coverage measurement including SCFT (Single Cell Function Test), Cluster Drive, and specific tasks using tools like TEMS, to evaluate site coverage, handover performance, and downlink throughput.
- Worked on various portals and tools such as Site Forge, Google Earth, and other mapping and reporting platforms.
- Generated comprehensive reports, managed backups, and operated multiple software tools to analyze and validate network performance.
- Performed service integrity checks including UL/DL throughput validations to ensure optimal user experience.
- Scheduled and executed Cluster Drives to assess and enhance RF network coverage, leading to improvements in RSRP, RSRQ, and SINR.
- Involved in Network Optimization across GSM, WCDMA, and LTE technologies to improve overall network quality and performance.

Field Engineer (EMF/DT)

NR Switch N Radio Services Pvt. Ltd. | May 2016 – Jul 2017

(Client: Nokia – Airtel & Reliance Jio, UP East)

- Field engineer for performing EMF survey with NARDA TOOL for Reliance Jio & Bharti

EDUCATION

B.Tech in Electrical & Electronics Engineering

Dr. A.P.J. Abdul Kalam Technical University, Lucknow | 2016 | **65%**

12th – National Inter College, Allahabad (UP Board) | 2011 | **60%**

10th – Shiv Inter College, Allahabad (UP Board) | 2009 | **60%**

DECLARATION

I hereby declare that above furnished specifics are accurate to the paramount of my knowledge and confidence..

Date: 17/05/2025

Place: Prayagraj