

Curriculum vitae

SHARAD KUMAR VERMA

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Career Objective:

Willing to work into a challenging and stimulating work atmosphere where I can utilize my analytical and technical skills to evolve into a successful Engineer and contribute to the growth of the organization.

PROFESSIONAL EXPERIENCE:

Current Work Experience -

Organization: Marquis Technologies Pvt. Ltd.

Client: Reliance Industries Limited (Jio)

Designation: Test Engineer

Duration: Dec 2022 To till Now...

Responsibilities: -

- ❖ Conducting comprehensive functional, mobility, and IMS testing on 5G devices, covering Attach, Detach, Handover, and Cell Reselection scenarios.
- ❖ Debugging L1/L2/L3 issues, preparing and executing regression and sanity test cases on updated software builds.
- ❖ Compiling and sharing daily defect reports with bug logs, root cause analysis, and corrective recommendations
- ❖ Worked on IoT-connected vehicle projects.
- ❖ Tools Used: QXDM, Wireshark, QCAT, Beyond Compare.
- ❖ IMS call flows (VoLTE, VoNR, VoWiFi), SIP protocol (RFC 3261), and network log analysis using QXDM, Wireshark, and QCAT.

Previous Work Experience -

Organization: Linkquest Global Network Pvt. Limited

Client: STC (Saudi telecom Company) 5G

Designation: RF Engineer

Duration: June 2022 to Nov 2022

Responsibilities: -

- ❖ Optimization of Network is based on Statistics monitoring and DT activities.
- ❖ Drive-Test analysis for optimization purposes, checking the coverage and capacity status.
- ❖ Data Servicer Analysis, Test Evaluation and Optimization
- ❖ Radio network optimization is performed to improve the performance of the network with existing resources.
- ❖ Analysis of KPIs, investigation and improvement of network quality problems.
- ❖ RAN KPI Monitor Coverage, Accessibility, Retain ability, Delay, Mobility

Previous Work Experience -

Organization: Telesia Network Pvt. Limited

Client: Vodafone Idea (MPCG)

Designation: RF Engineer (OFF ROLL)

Duration: May 2021 to 31 March 2022

Responsibilities: -

- ❖ Conducting TRAI Qos testing with TRAI authorities in various town
- ❖ To Implement new frequency plan, antennas orientation of network (cell site), tilts mechanical & electrical, dominating the sector with area of ping pong conditions (swap of cables), check TRXs whether it's working properly or not.

- ❖ Analyzing Interference, Call drops, Handover Failures, Channel re-selection, Rx Quality, Rx Level etc. & generating Rx levels & Quality plots using MapInfo And Tems Discovery tools
- ❖ Co-coordinating with DT Teams and resolve all the problems regarding KPI and Drive Test Kit.
- ❖ Analysis of LTE Drive
- ❖ Responsible for Cluster Report Preparation after Cluster Drive Test (2G & 4G).
- ❖ Analysis for Poor Quality and Coverage and Provide Suggestion for improving.
- ❖ Troubleshoot the areas with poor RF performance. Request Drive tests, analyze data and recommend network changes as applicable.
- ❖ Implementation of new features and tuning LTE radio network parameters.
- ❖ Analysis of Connection Failure, Handover Drop, Connection Drop & Lower Throughput and provide suggestion for troubleshooting these Issue.
- ❖ Responsible for Post Launch Optimization. (RRC Connection Failure Rate, E-RAB Failure/Success Rate, Call Drop Rate, Handover Failure Rate, Uplink/ Downlink Throughput.)

Previous Employer: Metro teleworks Pvt. Ltd. India

Designation: Drive Test Eng.

Location- Indore (M.P.)

Client - Nokia, Airtel SCFT M.P. Circle (GSM+LTE)

Duration: Oct 2018 to May 2021

JOB RESPONSIBILITIES:

- ❖ Optimization of Network based on Statistics monitoring and DT activities.
- ❖ Drive-Test analysis for optimization purposes, checking the coverage and capacity status.
- ❖ Data Servicer Analysis, Test Evaluation and Optimization
- ❖ Radio network optimization is performed to improve the performance of the network with existing resources.
- ❖ Analysis of KPIs, investigation and improvement of network quality problems.
- ❖ RAN KPI Monitor Coverage, Accessibility, Retain ability, Delay, Mobility
- ❖ 4G-3G-2G Co-location Interference Issues
- ❖ External Interferers, Intermodulation and Spurious, etc
- ❖ The goal is to better utilize existing network resources
- ❖ Optimization result confirmation and reporting.
- ❖ Parameter Optimization, by setting up the Exist Network values in order to improve the KPIs according to the pre-defined thresholds.

PROJECT (FOR RF DRIVE TEST):

- ❖ Performing Site Audit, Optimization, Swapping.
- ❖ To perform SCFT , Cluster Drive and Post Processing of Log Files
- ❖ Drives test in 4G Check RSRP,RSRQ,CSFB,BLER ,PCI and speed Testing
- ❖ Analyze the Radio Parameters like RX-Level, RX-Quality, SQI, BER, C/I, MS Power Control level, etc.
- ❖ Drives test the Site for Call Origination Test, Hand over test & Coverage test.
- ❖ Responsibility of taking care on customer complaints regarding Network Coverage. Performing optimization so as to minimize the coverage holes and interference and to ensure the customer.
- ❖ Analyzing the log files to minimize the interference and to increase the RX-Quality Level by optimizing the network.
- ❖ Analyzing interference, Call Drops, Handover failures, Error in Connection, Channel reselelections, Rx Quality, Rx level etc. and generating Rx Level & Quality plots using MapInfo.
- ❖ Conducting TRAI Qos testing with TRAI authorities in various town.

Educational Qualification:

❖ **BE (ECE) (2016)**

Rajeev Gandhi Proudtyogiki Mahavidyalaya, Bhopal (M.P.)

Major: Electronics and Communications

❖ **INTERMEDIATE (2012)**

Govt. school, Rewa (M.P.)

❖ **HIGH SCHOOL (2010)**

Govt. school, Rewa (M.P.)

Skill Sets:

Drive Tools

- TEMS INVESTIGATION 10.0.3, 10.0.5,13.0 ,15,16,17,18,19,20.3,22.0
- NEMO OUTDOOR 7.3 and 7.4.0.
- AZQ

Analysis Tools

- MapInfo Professional 8.5 ,9.0, 11, Google earth.
- TEMS DISCOVERY 24.1
- Win foil
- MYCOM(PMS)
- ZTE Netnumen

Personal Abilities:

- Great commitment and dedication towards carrying out any work.
- Commendable ability to work in a team as well as independently.
- Ability to stay Focused & motivated.
- Honest, hardworking and dependable.

Personal Details:

Name	Sharad Verma	Father's Name	Radheshyam Verma
Date Of Birth	01-08-1995	Sex	Male
Marital Status	Single	Religion	Hindu
Nationality	Indian	Language Proficiency	English, Hindi

In view of the above, I request you to be kind enough to provide me with an opportunity to serve your esteemed organization in the capacity mentioned above for which act of kindness I shall be very thankful and grateful to you.

Date:

Place: Rewa

SHARAD VERMA