Curriculum Vitae

Deepak Kumar
Mobile No: +91- 8595360878
Email ID:-deepak14.cse@gmail.com

Deployment and Test Engineer with 3 years of experience and Total experience is 8 year in the Telecom industry.

Career Objective:

To pursue a challenging career and to be a part of a progressive organization will give me a scope to enhance my knowledge, skills and achieve excellence in this sector.

HIGHLIGHTS:

- Good understanding of Testing Fundamentals Functional Testing, Regression Testing, Static Testing and Sanity Testing.
- Good exposure in IMS architecture with all the nodes (P-CSCF, I-CSCF, S-CSCF, AS, HSS, MRF, BGCF, MGW) and having knowledge on end-to-end call flow including IMS Registration.
- Good Understanding with call flow IMS, SRVCC, MRF, TAS.
- Experience on analysing and fixed various testing for error/bugs in Nodes.
- Expertise of executing testing and execution of test cases, debugging reports and fault track of Protocols layers and their functionality.
- I worked on different types of Testing Audit & Validation for Core Nodes LTE& IMS (MME, HSS, PCRF, IMS Nodes).
- Good knowledge of NR architecture with all nodes like g-Node, AMF, SMF, UPF, UDM, NSSF, AUSF, PCF etc. and their call flows.
- Also having knowledge of LTE architecture with all nodes like eNodeB, MME, S-GW, P-GW, HSS, PCRF and its call flows.
- I have a good knowledge of NR and LTE protocol stack.
- Good experience at Analysis, Design, Documentation, Testing and Review.
- Good Knowledge of SIP Protocol (RFC 3261).
- Experience in Testing Telecom protocols like SIP, SDP, and Diameter.
- Good knowledge of LTE & IMS Architecture.

PROTOCOLS KNOWN:
- IMS Protocals: -SIP, SDP, Diameter, TCP/IP, UDP, RTP.

INTERFACE KNOWN: Mr, Mb, Cx, Dx, Gm, Sgi, Gx, Gy, Sy.

TECHNICAL SKILLS:

- Operating Systems: Windows, Linux.
- Tools : OpenStack, Cloud, Wireshark, Jira, putty, WinSCP, QXDM, QPST, QCAT, ELT**.**

❖ **WORK EXPERIENCES**

1. Organization	:	**Marquistech Pvt. Ltd**
Designation	:	Test Engineer
Experience	:	28-Dec-2022 – Till Date
Client	:	Jio- Mumbai.
Job Details	:	Devices testing
Projects	:	**DNI Mumbai**

Job Responsibility:

- Performed NR and IMS Functional testing, Sanity, Functional, Testing as given in Test Plans.
- Performing RAN, service-based handover, Cell Selection, Cell Reselection, Throughput, call performance, IMS and VoWiFi.
- Mobility for issue retest & test case execution.
- Testing different chipset devices using diagnostic tools like ELT, QXDM, QCAT, Wireshark Carry out Basic analysis to find possible issues using captured logs.
- Log Analysis for the scenario like NR Registration, LTE Registration, IMS Registration, VoWI-FI Registration and Emergency Call Registration using QXDM, QCAT and ELT Tools
- Skilled in Test planning, making test plans, Managing Reports and finalizing report with defect management.
- Testing of EPSFB, VONR, VINR, VOLTE, Emergency, Vo Wi-Fi Call using the tools and analyzing their call flows
- Testing of Call Hold, Call Unhold, Mute, Unmute, Conference Call, Call Forwarding (Conditional, Unconditional).
- Logs Analysis of NR like RRC Setup, RRC Reconfiguration, RRC Reestablishment, RRC Reject, and Registration Request, Registration Accept, and PDU session establishment procedure.
- Performed NR-VoNR End to End Testing and log analysis for the failure causes.

❖ Previous Employment Recital:

2. Organization	:	**Linkquest Global Telecom solution Pvt. Ltd, New Delhi, India.**
Designation	:	RC (Remote control)
Experience	:	06-Sep.-2022 – 24-Dec-2022
Client & Project	:	KSA and Tanzania.

- RRC Connection setup, Dedicated & default bearer setup, IMS Registration.
- Preparation of test cases as per requirement.
- Testing and execution of test cases.
- Prepared, updated and maintained activity reports and summary reports.
- Raised defects in QC for any issue while execution.

❖ Previous Employment Recital:

3. Organization	:	**Multi Wireless Technologies Pvt. Ltd**
Designation	:	RF COORDINATOR
Experience	:	28 Jan 2020 – 30th Aug 2022
Client & Project	:	Ericsson (Bhopal)

Project End to End Co-ordination (Customer Handling). Make plan for optimization based on KPIs and customer complaints.

- Manage and coordinate a team of drive test engineers.
- Overseeing and executing Drive test analysis of 2G & 4G coverage and quality, handover analysis.
- Make plan for optimization based on KPIs and customer complaints.

- Handling of Monthly Data QOS Activity
- Planning of indoor solution including IBS and New Site and Small cell as per Network.
- Solving our customer complain and also carrying out network survey.
- Report making tools- Citrix, Tems Discovery
- Data drive (2G, 3G&LTE) and prepared data drive reports.
- Prepare Report of OADT and IDT.

❖ Previous Employment Recital:

4. Organization	:	**LINKQUEST TELECOM SOUTH AFRICA PTY LTD**
Designation	:	RF Engineer
Experience	:	5th Aug 2019 – 18nd January 2020
Client & Project	:	MTN-HUAWEI Johannesburg (South Africa)

- 1: Complete Site Audit including Change in Antenna Orientations, Electrical and Mechanical   Tilting, Swap Rectification.
- 2: Single Site Verification, Covering each sector of 3G Network using X-CAL 2.11. WCDMA Drive Test Tool.
- 3: Static Drive like observing various levels like RSCP, Ec/Io, Rx Level, BLER, Handover failures, call drops.
- 4: Trouble shooting various parameters like FTP download, FTP Upload, HTTP Download, HTTP Upload, Voice calls, Video Calling, Ping, Video Streaming, SMS,HSDPA for each Sector of and giving necessary recommendation in case of any problem encountered.
- 5: Observing the Throughput of FTP DL and FTP UP, HTTP DL, HTTP UP in case of WCDMA   and HSDPA.
- 6: Exporting and analyzing the logfiles for RSCP,EC/I0, BLER performance.
- 7: Cluster Drive Test with scanner for scanning frequency.
- 8: Making Complete Reports based on client requirement.

❖ Previous Employment Recital:

5. Organization	:	**Accord Synergy Ltd**
Designation	:	RF COORDINATOR
Experience	:	4May 2018 – 31st July 2018
Client & Project	:	Jio, Samsung

- Manage and coordinate a team of drive test engineers.
- Overseeing and executing Drive test analysis of 2G & 4G coverage and quality, handover analysis .
- Make plan for optimization based on KPIs and customer complaints.
- Handling of Monthly Data QOS Activity
- Planning of indoor solution including IBS and New Site and Small cell as per Network.
- Solving our customer complain and also carrying out network survey.
- Report Making tools- Mycom, Citrix, Tems Discovery
- Data drive (2G, 3G&LTE) and prepared data drive reports.
- Prepare Report of OADT and IDT

❖ Previous Employment Recital:

6. Organization	:	**Uniinfo Telecom Service Pvt. Ltd**
Designation	:	RF COORDINATOR
Experience	:	18th March 2017 – 20th March 2018
Client & Project	:	Jio project (Maharashtra)

- Plan and executed Physical optimization strategies for 4G including antenna adjustments and power level optimization.
- KPI monitoring & KPI improving, Neighbor optimization, Cluster drive.
- Analyzed drive test log to identify reason for poor KPI's, such as RRC connection success rate, CSFB success rate data drop rates and provide actionable recommendation.
- Optimized low DL throughput Cells through Inter or Intra load balancing CA and parameter adjustment.
- Reduce overshooting cell in cluster by optimization & improve coverage & quality of network
- Troubleshoot areas with poor RF performance. Request drive tests, analyze data.
- Make plan for capacity addition based on current site utilization.
- Overseeing and executing Drive test analysis of 4G Jio network coverage and quality, handover analysis.

❖ Previous Employment Recital:

7. Organization	:	**TELEYSIA NETWORKS PVT LTD.**
Designation	:	RF COORDINATOR
Experience	:	16 Aug 2015 – 23 July 2016
Client & Project	:	Telenor UP west

- 1: Complete Site Audit including Change in Antenna Orientations, Electrical and Mechanical   Tilting, Swap Rectification.
- 2: Single Site Verification, Covering each sector of 3G Network using X-CAL 2.11. WCDMA Drive Test Tool.
- 3: Static Drive like observing various levels like RSCP, Ec/Io, Rx Level, BLER, Handover failures, call drops.
- 4: Trouble shooting various parameters like FTP download, FTP Upload, HTTP Download, HTTP Upload, Voice calls, Video Calling, Ping, Video Streaming, SMS,HSDPA for each Sector of and giving necessary recommendation in case of any problem encountered.
- 5: Observing the Throughput of FTP DL and FTP UP, HTTP DL, HTTP UP in case of WCDMA   and HSDPA.
- 6: Exporting and analyzing the log files for RSCP,EC/I0, BLER performance.
- 7: Cluster Drive Test with scanner for scanning frequency.
- 8: Making Complete Reports based on client requirement.

❖ Previous Employment Recital:

8. Organization	:	**Pyro Telecom Engineering Services Pvt Ltd**
Designation	:	RF Engineer
Experience	:	22 Jan 2015 – 14 Aug 2015

Client & Project   :   Pune (Maharashtra)

- Lead the Samsung LTE project for Karnataka Circle.
- Analyzed Log in Actix and then Optimized sites for better coverage.
- Handled and performed SCFT & CLOT in XCAL, used with FMS (Fleet Management System) server for Samsung.
- Maintained all team members and motivated them for the good result by that achieved the company target.
- Handled the customer's issue.
- Handled Site forge for tested reports and LSMR.
- Made Analysis of EMF and SCFT reports.
- Analyzed the KPI of cluster drive.
- Verify log file, check Report, coordination with DTE for Jio.
- SCFT Optimization drives Management and Analysis.
- Check Radio Parameter Rx Level Full, Rx Level Sub, Rx Quality
- 6: Exporting and analyzing the log files for RSCP,EC/I0, BLER performance.
- 7: Cluster Drive Test with scanner for scanning frequency.
- 8: Making Complete Reports based on client requirement.

❖ **Academic Qualification:**

Professional Qualification   **:** **Bachelor of Engineering (B.E) from Radharaman Engineering College Bhopal**

                                         in 2014.

Specialization   **:** Computer Science Engineer (BE)

Academic Qualification   **:** **Intermediate** (B.S.E.B, Patna, Bihar, India)
                                        School Certificate (CBSE, Bihar)

❖ **Self-Details:**

Name	:	**Deepak Kumar**
DOB	:	05-01-1993
Father's Name	:	Shatrughan Mahto
Gender	:	Male
Marital Status	:	Married
Nationality	:	Indian
Religion	:	Hindu
Languages Known	:	English and Hindi
Present Address	:	Kopar khairane sector 19 Nevi Mumbai 400709.

Declaration:
I hereby declare that all the information furnished above is true to the best of my knowledge and belief. I shall be responsible for any action if any of the above statements are incorrect at any stage in future.

Place: **Navy Mumbai**   **Date**
Signature: -Deepak Kumar   **01-08-2025**