

Satish N. Hatwar

Mob No: -8446727056

LTE/NR Protocol Test Engineer

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OVERALL EXPERIENCE

With my 6+ years of experience seeking a challenging position in the field of Telecom software in a professionally managed organization with learning and growth opportunities and having adequate responsibilities to implement. The skills being acquired and ultimately growing with the growth of the company.

KEY SPECIALITIES

- Experience on QXDM, QCAT, ELT, LOGEL, tools.
- Handling Conformance Test Plan as per 3GPP Specification 36.523 and 38.523.
- Good understanding of LTE procedures like Initial attach, Cell Selection, Cell camp on Carrier Aggregation.
- Good understanding of LTE protocol stack in regard of testing and log analysis.
- Good knowledge in NAS, RRC, PDCP, RLC, MAC and Physical layers of LTE.
- Good understanding of NR Registration, Call flow, Handover, cell reselection, Numerology.
- Experience on RACH procedure testing in multiple scenarios and RACH failures.
- X2 and S1AP Handover Analysis.
- Log analysis of RRC Connection Setup, RRC Connection Reconfiguration, RRC Connection Rejection, RRC Connection Reject, HO Cancel, HO Failure.
- Familiar with IMS architecture and having knowledge on end-to-end call flow including IMS Registration.
- Performed UE side Testing (Performance, Sanity, Functional, Stability and Mobility Testing with Different updated builds and FOTA up gradation test.
- Performed NB-IoT devices testing.
- Experience on Carrier Aggregations with different band combinations, bandwidth class, bandwidth Combination set and analysis of throughput.
- Execute test cases, provide detailed report on daily basis with bugs and initial analysis for problem and Providing logs to developer with cause of failure.

TECHNICAL SKILLS

Wireless Technologies: VOLTE, LTE, NR, IMS.

Testing Platforms: Android Testing Type: Functional Testing, Features Testing, Sanity, Field Testing.

Protocols Layers: NAS, RRC, PDCP, RLC, MAC, PHY.

Language: Python learning phase.

Testing Tools: QXDM, QCAT, Wireshark, EPAT, Eigen, TEMS, and NEMO MapInfo.

OS: Window.

PROFESSIONAL EXPERIENCE

Client- Qualcomm Pvt. Ltd (Hyderabad).

Payroll: Capgemini Engineering.

Duration:31-May-2023 to15-April-2024.

Designation: Professional II

Description:

- Handling Conformance Test Plan as per 3GPP Specification 36.523 and 38.523.
- Working on the Key sight, R&S and Anritsu Emulator.
- Execution of Conformance test plan and perform daily Test Cases of given devices.
- Performed flashing of devices in debug build to perform Test Cases.
- Performed regression and sanity test with different updated builds.
- FOTA test performed of feature phone with different build.
- Performed of SA, NSA and LTE test cases.

Client -RJIL Mumbai.

Payroll: Marquistech Pvt. Ltd.

Duration: 21-June-2021 to30-May-2023.

Role: LTE/NR Protocol Test Engineer.

Description:

- Experience in Android Mobile Handset, Feature phone in LTE and IMS domain.
- Execution of test plan and perform daily Test Cases of given devices.
- Performed flashing of devices in debug build to perform test cases.

- Performed regression and sanity test with different updated builds.
- FOTA test performed of feature phone with different build.
- Performed of SA and NSA Test Cases.
- Performing Mobility as well as stationary Test Cases to check device compatibility with network.
- Log capturing and analysing the fail/issue logs and find out the root cause whether it is Network issue Or Device issue.
- Compiling error reports, change requests, test reports and status overviews reports sending to clients.
- VoLTE calls performance in mobility, good and poor network coverage.
- Analysing collected logs by the help of QXDM, Logel tools, MediaTek etc.
- Issue finding with the help of QCAT and Wireshark.
- Debug (Issue) Log with ADB log shared with the client as per their requirement.

Payroll: SPAKY INFO PVT.LTD.

Duration: 21-Feb 2018 to 31-May 2021

Role: RF/DT Engineer

Description:

- Execution of test plan and day-wise reporting to client.
- Performing Mobility as well as stationary test cases to check device compatibility with network.
- Log capturing and analysing the fail/issue logs and find out the root cause whether it is Network issue or Device issue.
- Compiling error reports, change requests, and test reports and status over views reports sending to clients.
- Checked RAN behaviour in mobility, good and poor network coverage.
- Analysing collected logs by the help of QXDM, QCAT, TEAMS and Wireshark.
- Performed Throughput test with reference devices.
- Log analyses for the UE Initial attach, Cell Selection, PLMN Selection, RACH procedure and X2 handover.

EDUCATION

Bachelor of Engineer (B.E.) 2017

Branch-Information Technology

Nagpur University

C.G.P.A-7.56

PERSONAL DETAILS

Name: Satish N. Hatwar

Date of birth: 15 June1994

Nationality: Indian

Languages Known: English, Hindi, Marathi

Marital status: Unmarried

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

(Satish Hatwar)

