



Umesh Patel

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📍 Mumbai - India

SKILLS

- QXDM Tool
- QCAT Tool
- ELT Tool
- Wireshark

LANGUAGES

- English
- Gujarati
- Hindi
- Marathi

HOBBIES

- Reading
- Travelling
- Singing

ADDITIONAL SKILL

- Good Analytical ability and Communication skills.
- Good Team Player as well as Individual Contributor.

SUMMERY

- 5.7 Years of relevant experience and 2.2 years of Non-relevant experience in IT industry, So Total is 7.11 Years of Experience.
- Testing mobile handsets in LTE and IMS domains. I have worked primarily with VOLTE, VoNR LTE, NR and IMS Technologies and Experienced in execution of test plans, finding issue and raising.
- Work on FR2 frequency with LBR device,
- End to end exposure in Mobile Field Testing, Protocol Testing, Conformance Testing.
- Good Knowledge of Testing of 4G and 5G.
- knowledge of LTE and NR Protocol Stack and processes.
- Having Good knowledge of NR Frame structure, Registration call flow, BWP, SSB, CORESET, SA and NSA.
- Understanding on MAC/ RLC/ PDCP/ RRC/ NAS/SDAP UE Protocol stack layers of LTE and NR.
- knowledge of 4G features like CSFB/ VOLTE/ IMS/CA (Carrier Aggregation).
- Also having understanding of CSFB, LTE and NR call flow with their IEs, RACH Procedure, Cell selection Criteria, Reselection, Hand Over Process, understanding of NSSAI, RedCap features.
- Understanding of IMS with all the nodes (P-CSCF, I-CSCF, S-CSCF, HSS, SLF, TAS) and having knowledge on end-to-end call flow including IMS Registration.
- Also have Experience in IMS SIP Protocol understanding and their MSGs.
- Familiar with Log analysis in Various Logging tools like QXDM, QCAT, ELT and Wireshark.
- Good knowledge on LTE Network elements E-UTRAN, e-NodeB, MME, S-GW, PDN-GW, PCRF, HSS and their interfaces LTE-Uu, X2, S1-MME, S1-U, S11, SGI and S5/S8.
- Have sound knowledge on Test Case Review, Execution, Test results Analysis, bug reporting and Bug Tracking till closure.

EXPERIENCE

1. Organization: Jio

Payroll: Marquist technology

Designation: Test Engineer

Job Duration: Jan 2023 to till Present

Roles and Responsibility:

- Work on FR2 frequency n258 Band, which divide into 3 channel CH1(26.670 GHz), CH2(27.00 GHz) & CH3 (27.330 GHz) with 320Mhz Bandwidth each.
- Currently involved in LBR (License Band Radio) testing, where verify Tput in 3M, 50M, 100M and 1.2Km, Tput Stability Overnight, measure the RSRP, MCS and SINR, Collect the DC data and verify with Server data, perform the FOTA via ACS portal, Upgrade and reset the device via WebGui, Interference testing, Manage the Beam to ensure maximize the Tput.
- Testing of Jio Bharat, Jio Prime feature phone and Smart phone like Oppo, Vivo Testing.
- Responsible for executing test cases as per 3GPP specifications.
- Mainly focus on performing Current Consumption Testing of different Devices based on Test Scenario using Power Monitor Tool, So that device battery performance will increase.
- Involvement in the testing of LTE, IMS registration, SIP messages, ViLTE call, VoLTE call, throughput, and vice versa, mobility testing.
- Analys the Log of LTE, NR and Execute test cases. Raise the defect based on Logs.
- Responsible for reporting Issues & defects, Reproducing Issues and collecting the log.
- Involvement in the Execution of test cases, Modem log analysis in LTE and NR architecture.
- Performing the FOTA and DC Event, Product Testing, Functional Testing, Concurrency, Regression and Performance Testing.
- Report Defects on the DevOps Azure so that developer can resolved, scheduled and prioritized.
- Worked on tools like QXDM, QCAT and FileZilla.
- Work on Flashing tool like Research, Upgrade Downgrade Tool user for Unisoc and Spectrum chipset, QFIL & Simple Flash Tool use for Qcom chipset, About Tool use for ASR chipset.

2. **Organization:** Saffo Solution Technology

Designation: Test Engineer

Job Duration: Jan 2020 to Dec 2022

Roles and Responsibility:

- Responsible for LTE Functional Testing of various VoLTE and LTE devices.
- Responsible for Modem and Application related Test cases execution.
- Responsible for reporting Issues & defects, Reproducing Issues and collecting the log.
- Responsible for test case execution including Throughput, Handover, Reselections, RACH process, LTE attached process etc. Test Scenarios.
- Execution of test cases to verify Call performance, Voice quality, Data performance and location functionality of smart phone.
- Experience in Sanity testing, Feature testing, Functional testing, Device Flashing, Retesting, Regression Testing.
- Also having basic hands on Experience of Log analysis.
- Experience in LTE and IMS testing of feature phones and Smart phone devices.
- Experience in analysis of field issues using QXDM, QCAT logging/debugging tools for the Issue Investigation.
- Log capturing on logging tools QXDM for MSFT Project and on device logging using BBKLOG APK files for Vivo Project.
- Technical knowledge of LTE (4G) attach procedure and IMS (VoLTE) call flow.
- Working knowledge of test case execution including RSRP, Throughput, Handovers, Reselections, RACH process, CSFB, GPS, Vowifi test Scenario.
- Performed Regression, Sanity Tests on Daily Software Releases basis.
- Expertise in preparation of Bug report, Collecting Logs and upload on Portal.
- Flashing of Android Devices with help of AF Tool, Feature phones with Research Download Tools.

3. **Organization:** Wipro Pvt LTD

Payroll: Think APPS

Designation: Application Support

Job Duration: June 2018 to Feb 2019

Roles and Responsibility:

- Responsible for sort out the query of customer.
- Responsible for handle the calls of customers and give the solution of query.
- Responsible for raise the ticket to respected team, if not getting solution.
- Also had access on Ericsson Network Engineer Tool, Arc GIS, K2 portal and Merchant portal tools.

EDUCATION:

- 2014 – 2017
Datta Meghe College of Eng., Navi Mumbai
B.E. in Electronic with 6.41 CGPI
- 2011 – 2014
Terna Polytechnic, Navi Mumbai
Diploma MSBTE with 70 %

- 2009 – 2011 HSS board Maharashtra with 66.92 %
- 2008 – 2009 SSC board Maharashtra with 64 %

Skills & Abilities

- Positive & dedicated approach toward tasks assigned.
- Ability to produce best result in pressured situation.
- Ability to work as individual as well as in group, hard & smart working.
- **Technical Skills:** -
 1. Testing Platforms: Qualcomm chipset, MediaTek chipset, UniSoc and ASR chipset.
 2. Wireless Technologies: VoLTE, VoNR LTE, NR, IMS.
 3. Testing Concepts: Field Testing, Features Testing, Sanity testing, Regression testing, Performance testing etc.
 4. Testing Tools: QXDM, QCAT, Wireshark, ELT Tools, Upgrade and Downgrade Tool and About Tool.
 5. Defect Tracking Tool: - Bugzilla, AzureDevOps

Personal Details:

- **Nationality:** Indian
- **DOB:** 15/10/1992
- **Permanent Adrrs:** E-1/602, Dhanlaxmi Society, A.G. Link Road, Ghatkopar(W) Mumbai: 400072.
- **Marital Status:** Single