

Vinay Kumar Patel

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Career Objective

- **To obtain a position within an organization that will utilize my engineering education and experience, while presenting new work challenges and continuous learning opportunities.**
- **Presently working with Marquistech as a Test Engineer in Mumbai**

Career Summary:

- **Around 8 years of overall experience in Manual Testing in Telecom Domain.**
- **More than 3 years of experience in Device Testing and Log Analysis.**
- **Manual and Automation Mobile Testing on Android platform embedded with QUALCOMM & MediaTek Prototype devices (Chipset).**
- **Experience in testing the functionality and performance of prototype devices based on Qualcomm chipset in GSM, UMTS, LTE, 5G-NR and VOLTE radio network.**
- **Experience in flashing different chipsets (Normal flashing) across different platforms and testing the chipsets in live networks.**
- **Knowledge on LTE/NR end to end flows like Attach, Detach, Handovers, CSFB, SRVCC, VoLTE & VoWi-Fi Calls, VoNR, IMS/NR Registrations, and Throughput etc.**
- **Coordination with client for reproducing issues, retest of test cases observed while testing.**
- **Having hands-on experience on protocol log analysis on UE side like Handovers, Call flows, throughput etc.**
- **Experience in performance related test case such as Call, SMS, Data, IRAT HO, Inter-Frequency HO, Reselection/Redirection, PLMN search, OOS and power up acquisition to check mobile (UI) behavior in live network**
- **Sound knowledge on SIP Call flows.**
- **Basic knowledge on IMS call flow.**
- **Basic knowledge on EPC.**
- **Experience in Test Data, Filing Defects and Reporting.**
- **Experience in Test Case Execution, Review of Test case document.**

TECHNICAL SKILLS:

- **Telecom Tools Knowledge:** QXDM, PCAT, QMAT, Putty, FTS, TEMS and Nemo Analyzer.
- **Technologies Known:** NR, VoNR, EPSFB, LTE, VoLTE-IMS, UMTS and GSM
- **Knowledge on LTE Protocol Stacks:** NAS, RRC, PDCP, RLC, MAC & PHY Layer
- **Log Analysis Tools:** QXDM, AZQ and Nemo Analyzer
- **Flashing tools:** PCAT, QFIL etc.
- **Knowledge on LTE EPC Components:** MME, S-GW, P-GW, HSS etc.
- Troubleshooting, Test case executing, R&D and log collecting.
- Report Making and sharing with client with Test result and observations

Summary of Work Experience: (Start with current employer)

1. **Marquis Technologies** (Client Name : Qualcomm India Pvt Ltd)
Working Period : Nov.7-2022 to Till Now
Profile- Test Engineer
2. **Vedang Cellular Services Pvt. Ltd** (Client Name : Huawei Telecommunication Pvt Ltd)
Working Period : Feb-2021 to Oct. 26- 2022
Profile- Post Processing Engineer (Report Maker)
3. **Reecomps Teleservices Pvt. Ltd** (Client Name : Nokia Solutions Pvt Ltd)
Working Period : Oct 2017 to Jan 2021
Profile- DT (Drive Test) Engineer and Co-Ordinator
4. **Vedang Cellular Services Pvt. Ltd** (Client Name : Nokia solutions Pvt ltd)
Working Period : Feb 2017 to Oct 2017
Profile- Customer Complaint Engineer

Project 2: VoNR, NR/LTE, Throughput and VoLTE Testing-(Device Testing)

Designation: Test Engineer

(Nov-2022 to Current)

Responsibilities:

- Preparation (Flashing) of device with latest Build and loading IMEI, QCN, MBN and latest MPSS.

- Collecting QXDM logs for Performance (KPI) and Functional Test cases.
- Carrying out Stationary Tests and Mobility Tests. Manage end user testing before launching handset in market with different operators from different location in all over India. .
- Test with different MSIM & SSIM scenario like SA+SA, SA+NSA, NRLWG+LWG possible in manual testing and Automation testing. .
- Test Cases like Attach to the live network, Testing Different types of **Cell Reselections, Handover, RRC state transitions, MO/MT call, CSFB and Throughput related issues** etc.
- Test case execution, UI testing, Managing Reports and finalizing report with defect Management.
- Raised defects in QC for any issue while execution.

Project 1: RAN Testing

(Feb-2017 to OCT -2022)

Designation: Customer Complaint Engineer, DT Engineer, Coordinator and Report maker.

Responsibilities:

- In case of degraded Network performance then analyze Through Pre & Post Drive Test Log File, Daily Basis KPI Report & Optimization the Network KPI of Single & Cluster Site and discuss with NSN team.
- Responsible for maintaining the network KPIs for Post Launch Sites. Analysis to troubleshoot the bad performing cells, Customer Interaction, Troubleshoot and optimization of the initial network deployment.
- 4G Radio parameters Analysis, 4G KPI Analysis, 4G Log File Analysis, 4G Report Process & Analysis.
- Analysis & Optimization of drive test Log files of GSM, UMTS and LTE identifying coverage, quality issues, KPI Issue etc. Preparation of site and cluster level acceptance report.
- Performing Drive Test and Cluster Optimization of GSM & WCDMA Network, KPI maintenance.
- Drive Test and log Analysis for (SCFT, CLUSTER DRIVE USING TEMS TESTING).
- Resolving customer complaints for Call Drop and data related issues.
- Physical Optimization: Recommending Antenna height, Azimuth, Antenna Tilt etc to maximize Radio Coverage considering the changing R.F requirements.
- Handling optimization of new and existing sites which includes problems like Call drop, Interference, Handover Failure, In-building problem, Antenna tilting.
- Improving quality by analyzing interference through Drive Test.
- SCFT for newly 2G, 3G and 4G sites.

Academic Record

- Bachelor of Engineering in Electronics and Communication Engineering from Sri Satya Sai Institute Of Science & Technology, (Sehore), affiliated to Rajiv Gandhi Proudhyogiki Vishwavidyalaya (Bhopal) with an aggregate of 70.5% in 2013.

Personal Details:

- Employee Name : Vinay Kumar Patel
 - Date of Birth : 10th Aug 1990
 - Marital Status : Married
 - Sex : Male
 - Nationality : Indian
 - Language Known : Hindi, English
 - Address : Village- Sisirata Tola, P.O.- Sisirata, P.S.- Nokha,
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Place: Mumbai

(Vinay Kumar Patel)