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Career Objective

To obtain a position within a company that will utilize my skill to set its potential and provide opportunities for further growth seeking a challenging career in the construction Industry.

Skill Set

- 4.5 Years of industry experience in Mobile Device Testing and LTE Protocol testing (UE Modem Testing) with a good understanding of Test Execution and Defect Reporting, Tracking & on device Log analysis.
- Have experience with tools QXDM, ELT, NLT, Shannon, Logel
- Good Knowledge of analysis of logs on QXDM, QCAT, NLT & Wireshark.
- Good Knowledge of on device log analysis of Car router, Vehicle Tracker, TCP/ADB Logs.
- Knowledge of Nb-IoT & CAT category devices.
- Good understanding in Power on Procedure, RACH procedure, Attach Procedure, LTE architecture, Reselection etc.
- Good knowledge of Handover call flows, LTE call Flows, VoLTE call flow, IMS registration, CSFB call flow.
- Good knowledge of analyzing the logs as per 3GPP spec.
- Good Knowledge of Various RRC Stages, RRC messages and RRC functions.
- Good knowledge of IMS Registration, VOLTE and Emergency scenario.
- Experience in LTE Protocol Testing, IMS Testing.
- Experience in handling Network issues.

Technical Proficiency

- **Test Management Tool:** QXDM/QPST/QCAT, WIRESHARK, ELT, Shannon, ADB, Tera term, flashing tool.
- **Bug Tracking Tool:** RTC, ALM, PDM
- **Wireless Technologies:** GSM, UMTS, LTE, VOLTE, IMS, 5G NR

Work Experience

Marquis Technologies Pvt Ltd | Senior Test Engineer

Nov 2020 – Till Date.

Responsible for doing the first phase of Log analysis using QXDM and QCAT, ELT tools for LTE Attach failure, IMS registration, VOLTE call drops and different failures like RACH failure, network fluctuation, Handover etc.

- **Role:** LTE Protocol testing (UE Modem Testing) & Log Analysis.
- **Testing Activity:** Sanity Testing, Feature Testing, Regression testing, Functional testing, Stress testing.
- **Qualcomm Tools:** QXDM and QCAT
- **Summary:** The project consists of execution of Modem test cases on Mobile devices.
- **Role & Responsibilities:**

Modem Testing & Log Analysis

- Executed modem test cases on live networks across multiple operators (Jio, Airtel, VI India).
- Performed basic live network scenario testing, including:
 - **IMS registration and end-to-end VoLTE call testing.**
 - **Log analysis** to identify network-related bugs.

- **Smart Meter and Car GPS testing**, analyzing network performance.
- **NB-IoT log collection and analysis**, coordinating with clients in real time.
- **Hardware and device testing** for network compatibility.
- **Bug identification and reporting** to clients.
- **Test script execution** for automated test cases.
- **UE and TE log collection**, based on chipset type.
- **Log analysis using QXDM and ELT tools** to diagnose modem/network issues.
- **Test report generation** and bug tracking for client communication.

PROJECTS

PROJECT: Wonderland CT (Jio connected car), Pre-launch Devices Mobile Testing (for chipset Qualcomm, MediaTek, Exynos)

Client: Multi-Vendor Smartphones (Vivo, OPPO, Nokia (HMD), Realme, OnePlus) Location: Delhi-NCR/Mathura/Jaipur

Edge Telecom PVT. LTD. | Project Engineer

Dec 2018 – Jan 2020

I was responsible for installation, Commissioning and integration of Equipment of Airtel & Jio Project

Education

B.Tech, Electronics and Communication Engineering Specialization, Krishna Engineering College, Dr. APJ Abdul Kalam Technical University, Lucknow, 2016, First Grade.

Place: Mathura

Vipin Tomar

