**Dheeraj Chauhan**

[dheerajchauhan28@gmail.com](mailto:dheerajchauhan28@gmail.com)

7827509108

**Career Objective:** To work at a place where there are opportunities to amplify one’s knowledge and would like to be a part of team which believes in innovation and practical knowledge.

**PROFESSIONAL EXPERIENCE**:

* 9 years of total experience in mobile protocol (2G, 4G, IMS) testing at UE, modem and eNB (RAN) end, debugging at primary level. Possess knowledge of core network.
* Possess knowledge about python, Robot framework, Wireshark etc.
* Possess depth knowledge of 5g NR domain. (ENDC, standalone FR1)
* Possess knowledge and work experience of 3GPP Test Specifications for 5G-NR and LTE radio protocols (PHY, MAC, RLC, RRC and NAS layers)
* Experience in testing, debugging and troubleshooting control plane issues at primary level.
* Experience in Device and Lab set-up configuration with real UE’s, modem.
* Experience of working with Linux. (RHEL/Ubuntu)(cli interface)
* Experience in LTE/NR Modem testing (validating call/throughput KPI’s, debugging issues that comes up and try to optimize them)
* Working experience on HP-ALM, Test rail, JIRA etc.
* Experience working in an Agile environment, using Jira, Confluence, and Git for project tracking, documentation, and version control
* Possess knowledge of SDLC, STLC, Agile/scrum methodologies.

**Technical skills:**

• Docker • Kubernetes • Linux • Openstack

4G & Architecture • 5G & Architecture • Wire-Shark • Log Analysis • Call Flow

• Putty • SIP • Troubleshooting • Network Node

**Summary of Experience (in Capgemini (19/08/2022 - Present) (client Viavi - Aug 22-Present):**

* Experience in test case preparation and test case execution of 4g ORAN and 5g ORAN test cases for Viavi TM500.
* Involved in sprint planning with scrum master, client BU’s and team members.
* Experience in debugging of various ORAN test case failures.
* Experience in front haul testing between RU and DU.
* Experience in testing ORAN features like CU Plane coupling, section extension (4,5,6), LTE ORAN power control, gain correction (per-eaxcid gain) etc.
* Worked on python automation of RAV tagging feature from all running test cases on JIRA.
* Experience in analyzing failures from pcap in Wireshark
* Experience in testing release 16 RRC 5G features such as UE Assistance information (maxCC preference, max MIMO etc.)
* Working on python scripts for test case execution.

**Summary of Experience (in Parallel Wireless (07/06/2021 - 19/08/2022):**

* Experience in 4G enb testing.
* Responsible for analysis of end to end 5g or 4g call flow traces on Wireshark
* Responsibilities is to validate various newly integrated features in which are going to release for customer on vru and cws set-ups.
* Validate stability KPI (HO and attach-de-attach) run through **Grafana** dashboards and report if any performance degrades observed on Jira.
* Experience of working on virtual VM’s and nodes (monitoring through Kubernetes commands).
* Bring the setup as per the test environment and validate the test cases.
* Analysis from UE side using QXDM, QCAT and p-cap sessions using Wireshark (Wireshark dissectors).
* Experience of using Linux commands for execution (Cent OS cli version)
* Bug tracking and reporting the issue with comparison of actual and expected behavior.
* Worked on tools such as iperf for throughput testing.
* Reproducing customer reported field JIRA in lab and supporting development team for same.
* Main activities include software upgrade, test plan verification, understanding test cases execution, logs analysis, regular status update.

**Summary of Experience (in L&T Technology Services) (26th March 2018 – 31st May 2021):**

* 3 years of working experience doing functional, KPI testing for Intel chipset testing to test the performance and stability of the chipset by stationery and drive test across various locations.
* Experience of using STT tool for taking call, n/w attach logs, testing modem with AT commands.
* Expertise to do first level log analysis for Network related test cases like Attach procedure, Multi-RAB, Handovers, IRAT, CSFB, MO/MT Call,
* Familiar with LTE-Advanced, IMS (VoLTE and VT), LTE, UMTS, GSM, CA, SRVCC, LTE handovers, L2/L3 layers like RRC, NAS, RLC layers knowledge according to 3GPP specifications.
* Experience of loading build and monitoring modems in lab for MTBF set-ups across various locations such as Beijing, Munich, Bangalore, San Diego, Hillsboro etc.
* Monitoring all remote sites, debugging the crash, attach fail issue, modem related issue, and build issue, setup issue.
* Raising Issue if either related to script, test, build and Modem.

**Summary of Experience (in Marquis Technologies) (14th March 2015s – 23rd March 2018) :**

* 2 years of rich experience in field and lab testing of mobile handsets of different brands such as Apple, Jio- LYF, Lenovo, Motorola, One Plus, Oppo etc.
* Experience of working with real UE’s
* Experience in Testing Network parameter of the device like IMS registration, call quality, call flow, SMS, various handover such as intra-RAT and inter-RAT handover.
* Worked on and possess good knowledge about TCP/UDP DL and UL throughput, CQI/PMI/RI/BLER parameters.
* Prepared test cases on cell selection, reselection, handover, PLMN selection, RACH procedure, SRB/DRB scenarios and tested them.
* Discussed issues with back office team and developers and helped in early resolution of issues.
* Experience of performing testing at with MTK, Qualcomm and Spreadtrum chipsets.
* Experience in taking logs with QXDM, ELT, ARM logging and DSP logging tool during field and lab testing and reporting bugs through JIRA.
* Experience of working with different tools such as QXDM, QPST, QFIL, QCAT, ELT, Wireshark, ARM logger, DSP logger at different L2/L3 layers such as RRC, NAS, PDCP, MAC, RLC layers.
* Experience of VoLTE, VT call with Jio and Airtel, VoWiFi and CS call testing, and features such as CA, SRVCC, CSFB etc, .

**Project Details:**

Title : Jio- LYF, Lenovo, Motorola, One Plus, Oppo , Vivo, Xiaomi, Nokia,

Smartron, Huawei, LeTv, Asus, Huaqin (10.or)

Company : Reliance Jio, Lenovo, One Plus, Oppo, Vivo, Xiaomi, Nokia

Duration : 14th March 2016 – 23rd March 2018

Role : Test and release planning activities

* + - * Field testing of all smartphones including stationary FT and drive test.
      * Monitoring of call performance, call quality, throughput, GPS and heating issues during call and navigation during mobility testing.
      * Checking device performance under various signal strengths.

**Declaration:**

I hereby declare that all the information given above is true and I hold the responsibility of its authenticity.

**Date:**

**Place: Gurgaon Dheeraj Chauhan**