

RESUME OF NARESH

NAME: NARESH M

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Email ID: nareshmuthuraj@gmail.com

Designation: Telecom Test Engineer

SUMMARY:

Looking for a challenging opportunity to work as 5G|LTE|IMS System Testing and Log analysis Engineer in challenging environment where I can expose my Testing/Debugging skills and abilities to contribute it towards organizational and individual professional growth. Capable and flexible to work under aggressive project timelines

PROFESSIONAL EXPERIENCE AND COMPETENCY:

- Responsible for Carrier measurement and device prototype testing in live network
- Executing responsibilities as IMS, LTE and 5G device protocol testing Engineer.
- Practical experience in LTE signaling from UE turn on mode to Attach accept.
- Practical experience in 5G signaling from UE turn on mode to Registration accept.
- Performed DL & UL Throughput testing and detailed analysis of degradations.
- Sound understanding of LTE Handover feature and troubleshooting.
- Good understanding of Carrier Aggregation testing and implementation.
- Expertise in Requirement analysis, Test Design, Test execution, defect tracking and preparation of reports
- Understanding of LTE Core Network Elements like MME, HSS, PCRF, SGW, PGW etc.
- Basic understanding of 2G/3G/4G/5G Core interfaces.
- Ability to analyze LTE log files and recommend reasons for the same.
- Good Understanding of 4G, 5G and IMS Architectures
- Analyzing QXDM log files and reporting bugs with aspect to LTE/5G modem feature.
- IOT devices flashing and test execution and troubleshooting.

Work Experience: 04/02/2019 – Current, Chennai, India

TEST ENGINEER – Marquistech Private Limited

- Create test cases to identify software problems.
- Android, Tablets and Device Prototype testing.
- Flashing the handset with the current build.
- Log Capturing and ADB command utilization for DIAG port enabling
- Device testing includes Sanity, Functional, Mobility & KPI Testing, Stress Testing and Stability Testing for smart devices & Prototype Testing (Asia & Europe Region)

- Executing the test cases for corresponding network scenarios.
- Testing and analysis of UE Attach Procedure, RACH Procedure and 5G and 4G Call Flow
- Analyze bugs and errors found during tests.
- Bug detection and reporting, Capturing, and analyzing logs using QXDM and QCAT
- Collecting Network logs using QXDM tool and ELT on DUT
- Field Testing using the live network (5G, VoLTE, LTE, WCDMA, GSM)
- Work on the Prototype devices
- We execute the test cases which are shared from the client.
- Flashing MediaTek device by using SP Flash tool and Log Collection by using ELT Tool.
- Testing IOT devices as per test cases
- IOT devices (JCR1440B, JCR1440V and ODU) flashing and test execution and troubleshooting.

Device Prototype Testing:

- Responsible for executing test cases (VONR, VINR, VOWIFI, VIWIFI VoLTE MO MT call) (SRVCC to 2G/3G, CSFB), data on both DUT and Reference device in parallel.
- Good experience in logfile analysis and recommendation.
- Good understanding of 4G, 5G Network Architecture
- Skilled to communicate and adopt new techniques and tools in a timely fashion.
- Test plan execution and reporting the results of execution.
- Updating current software systems, software Flashing and making improvement suggestions Collaborating with analysts and designers
- Testing applications, writing training manuals and making sure projects are completed in time.
- Experience in Prototype Handset testing (Static/Mobility) of 5G/ LTE/WCDMA/GSM RAN.
- Good Experience in field test, Conformance test and Protocol test for Mobile devices.
- Good Experience in tools like QXDM, QPST, QCAT, ELT.
- Knowledge of test case review, execution, test results analysis and Bug Reporting.
- IOT devices flashing, and test plan create and test execution and troubleshooting.

Qualcomm chipset and modem testing:

Designation : Testing engineer.

Role : Bug Reporting & Maintenance, test case execution,

Tools : QXDM, QCAT, WIRESHARK.

MediaTek chipset and modem testing:

Designation : Testing engineer.

Role : Bug Reporting & Maintenance, test case execution,

Tools : ELT Tool.

Project Description:

This project handles various types of devices testing including QUALCOMM and MediaTek, Google and IOT Devices.

Field testing of Commercial devices:

Tools: Wireshark, Bugzilla, QXDM, QCAT, PCAT, ELT WinSCP

Project Description:

This project is to deliver VoLTE/VoWiFi/5G/4G/2G services for the routing of different basic and supplementary calls, SMS, voicemail on VoLTE and CS network. Wireshark tool is used to capture and validate different features like Registration, De-registration, calls, SRVCC, XCAP, Throughput and hand over. Log Analysis for Handset and IOT devices and finding and resolving Bugs.

Responsibility:

- Testing different Call, the features like call forward, call hold, conference, waiting, SRVCC, SMS on VoLTE, and CS network.
- Execution and log file capture and verification using on device QXDM log.
- Involved in static testing, sanity testing.
- Field Test case Execution.
- Test all the basic and supplementary call flows like call hold, conference, and call transfer etc.
- Execution and log file capture and verification using QXDM.
- Reporting bugs through JIRA and ALM.

Major Projects:

- OPPO
- VIVO
- OnePlus
- MediaTek
- Google
- NOTHING
- IOT Devices (JCR1440 and JIO ODU)

Technical Skills/ Tools:

- QXDM
- ADB
- LOGEL TOOL
- QCAT and PCAT
- Automation Test Tool
- ELT Tool
- QPST
- Dumper Tool
- **Domain Knowledge:** 5G, VoLTE, LTE, WCDMA, GSM
- **Applications:** MS Office, MS PowerPoint

Past Work Experience: 01/03/2016 – 01/03/2017 – Chennai, India
GET – Avalon Technologies Private Limited

- Inspecting the Electronics Components (Both Active & Passive), PCB & Raw materials. Based upon IQP (Incoming Quality Plan)
- Known PCB Standard IPC-A-600-H and General Tolerance Standard ISO 2678.
- Monitoring and analyzing Quality Performance
- Developing and Controlling Quality Control Systems
- Preparing Incoming plan criteria.
- To reduce IQC pending and follows FIFO systems.
- Training IQC inspectors on the products quality criteria & measuring equipment's handling.
- An Maintain 5's (Sort, set in order, shine, Standardize, sustain) and 4'M(Man, Method, Material, Machine)
- Never accept defect/Never produce defect/never pass Defect

Skills/ Tools:

- PCB visual inspection (IPCA600-J)
- Working experience in SAP (System Applications and products in data Processing).
- View Mate (PCB Gerber checking)

Education:

COURSE	INSTITUTION	UNIVERSITY / BOARD	PERCENTAGE / CGPA	YEAR
BE – ECE	Kings Engineering College, Chennai, Tamil Nadu	Anna University, Tamil Nadu	7.9	2015
12 th	Pope Memorial Higher Secondary School, Tuticorin, Tamil Nadu	State Board, Tamil Nadu	81%	2011
10 th	Pope Memorial Higher Secondary School, Tuticorin, Tamil Nadu	State Board, Tamil Nadu	87%	2009

PERSONAL DETAILS:

- Date of Birth : 10-05-1994
- Languages Known : English, Tamil
- Father's Name : Muthuraj
- Nationality : Indian
- Current Address : No 18, Salai Street, Mylapore, Chennai, Tamil Nadu PIN- 600004

- Permanent Address: No 1 Church Street, Puliyanagar, Tuticorin, Tamil Nadu PIN- 628251

A handwritten signature in blue ink, appearing to read 'Naresh M.', enclosed within a light blue rectangular border.

Place: Chennai

Date:

Yours Sincerely
(NARESH M)