AADARSH RAMAKRISHNAN

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CAREER OBJECTIVE

Seeking a challenging position in an organization which gives me an opportunity to apply my experience and skills to grow and expand an organization as well as myself.

PROFILE SUMMARY

➢ **7.5 years** of experience in **Software Testing** (Manual and Automation) of Infotainment system based on Android and Linux OS

➢ Customers: **Nissan, Renault, Infiniti, Mitsubishi, Renault, Suzuki**

➢ Experience in **Test Automation Framework** (TML and Python)

➢ Features Tested : Infotainment features like **Navigation, Connectivity** (BT, Wi-Fi), **SPI** (CarPlay, CarPlay Wireless, AAP), **Tuner** (FM, DAB, SXM), **Rear View Camera** (RVC), and **Test Automation**

➢ Expertise in **SPI Pre Certification Tests** (PCTS, FACET, etc.,) and managing a **PPID.**

➢ Experience in **Vehicle** Testing and **Test Bench** Testing

➢ Extensive exposure in Black Box testing

➢ Experience in **Vehicle configuration** and **different SW flashing methodologies for ECUs**

➢ Experience in different testing methodologies (Agile, V-model)

➢ **Taking traces** for the issues and **Raise bugs** in JIRA and RTC

➢ Experience in **UDS protocol for Diagnostics testing**

➢ Certifications: **ISTQB Advanced Test Analyst, ISTQB Foundation Level Tester Certification** and **ISTQB Agile Tester Foundation Extension**

➢ Excellent **communication** and **problem solving skills.**

➢ Attention to detail and ability to work in fast paced environment.

SOFTWARE TOOLS

➢ **Simulation Tools:** Vector CANoe

➢ **Scripting Languages:** Bosch proprietary TML, Python

➢ **Bug Tracking Tools:** JIRA, RTC

➢ **Management Tools**: Docushare, SharePoint, DOORS

➢ **Testing Tools**: Putty, TTFis, WireShark, Frontline Sodera BT Sniffer, ATS, GAL Monitor, Total phase Data Center, Chanalyzer 4, WinSCP , QFIL, FlashGUI, FACET

➢ **Testing Devices:** Ni-DAQ, Frontline Wi-Fi airlog tracer , Toellner Programmable Power Supply, BT sniffer, Beagle Box, Cleware USB Switch

➢ **Automation Tools:** Bosch proprietary BITS, TML Eclipse

WORK EXPERIENCE

Organization	Period	Designation	Customer
Bosch Global Software Technologies, India	Jul 2022 - Present	Lead Engineer	Infiniti, Nissan, Renault

Roles & Responsibilities:

- Managing 8 member test team by providing technical support and guidance on certification related matters.
- Contributed to the development and improvement of testing methodologies and procedures to enhance efficiency and effectiveness
- Functional and regression testing of Android based infotainment systems for automotive applications.
- Developed and executed comprehensive test plans and test cases to verify CarPlay functionality and compliance with Apple's guidelines.
- In-Vehicle testing and Joint drive test with customers and Certification authorities in Hildesheim, Germany (Nov 2023 – May 2024)

Organization	Period	Designation	Customer
Bosch Global Software Technologies, India	Apr 2019 – Jul 2022	Senior SW Engineer	Infiniti, Nissan, Renault, Mitsubishi

Roles & Responsibilities:

- Executed CarPlay FACET Tests, MFi iPod tests for Apple Certification for different projects.
- Executed PCTS and Sensor tests in vehicle for Android Auto in Hildesheim, Germany (Feb 2021 – Dec 2021)
- Performed exploratory testing in CarPlay USB , CarPlay Wireless (2.4GHz & 5GHz) and Android Auto
- Identified and documented SW defects and collaborated with developers to resolve issues

Organization	Period	Designation	Customer
Bosch Global Software Technologies, India	Aug 2016 – Apr 2019	Associate Software Engineer	Chery, Suzuki

Roles & Responsibilities:

- Manual testing of Connectivity (BT, Wi-Fi) and Radio (AM,FM, DAB/SXM) Feature
- Conducted Vehicle test drives with customers, and collecting logs to raise bugs
- Maintained Test results metric, Test Log Data, and Defect Data and reporting them to Customers
- Test case design based on requirements and Test case Execution
- Experience in Automation tests – Stability Automation and Functional Automation

PROFESSIONAL CERTIFICATIONS

- ISTQB Advanced Analyst Certification
- ISTQB Agile Tester Foundation Extension Certification
- ISTQB Foundation Level Tester Certification

EDUCATION

Qualifications	Domain	University	Year of passing	CGPA
Bachelor of Engineering	Electrical and Electronics	PSG College of Technology, Coimbatore	2016	9.2