

Vimala R



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Summary:

- **1 years of experience** in working with **Automotive infotainment testing, Verification & Validation for On-Bench Testing.**
- **5 years of experience in working Aerospace domain** and experience in development of **test applications software using LabVIEW.**
- I have successfully completed **CLD certification** which effectively from **2018 to 2024.**
- Good knowledge in **various architectures in LabVIEW.**
- Hands on experience in communication Protocols like **RS 232, CAN and ARINC 429.**
- Extensive hands on experience in NI hardware like **NI Cards, USB DAQ and PXI.**
- Extensive Testing background on Infotainment features in performing total functional testing such as **integration testing, regression testing, system Testing and Sanity testing.**
- Testing experience on all **Infotainment features** such as **Media, Multi-sense, Photo & videos, Phone, Devices, Profile, Settings, Home Menu, Main Menu, Restriction** i.e. HMI Testing.
- Experience in Testing Camera config's such as **RVC, AVM, HFP and ADAS** Modules.
- **Expert in Defect tracking and Defect raising** for all Infotainment Features
- Hands on Experience on **Defect Management tool-JIRA** (Worked as Ticket Master).
- Expertise in **Smoke Testing and Must fix ticket** verification testing.
- Good understanding of Product Specifications and perform **Test requirement Analysis**
- Defines test plans, test cases, and test data to be used for testing.
- Ability to quickly adapt to different project environments.
- Expertise in Testing Different Vehicle lines (**Tested:14 vehicle types**).
- Hands on experience Validating test cases, test-objectives for different **Vehicle types(EV, HEV, PHEV, ICE).**
- Expert in Vehicle Diagnostics (**DDT-2000**) tool, **CANoe & UDS** (Unified Diagnostic Services).
- Testing Experience on **Driving Restrictions and Priority Matrix.**
- Hands on experience in **I-QMS and QMS** process.
- Preparing Test **validation reports (WAR & MAR)** and reviewing Activities (peerreview) of Teammates.
- Attending Team Synchro & technical meetings with Customer and Supplier.

Skills:

Test bench & Product:	Infotainment, Instrument Panel Cluster.
Standards & Issue Resolving Techniques	LIN ISO17987-6, CAN ISO11898-1,11898-2, UDS ISO-14229, KWP2000, QC tools
Software Skillset & Automation framework:	NI LabVIEW,NI Test Stand, NI Vision Inspection,NI MAX, Canoe, JIRA, Silk-central, DDT-2000, Tortoise SVN, MS Windows, Create box for OCR, ADAS.
Hardware	NI DAQ MAX 9188, NI PXIe Express Chassis, CAN Protocol/CAN BUS, Diagnostic (OBD), GNSS Simulator (Spectracom), RF Transmitter (SFE100), GOEPEL-6141 Basler/Vision camera, Webcam, Power Supply (Agilent).

Experience:

Current Organization	: Renault-Nissan Technology Business Centre India Pvt. Ltd. Chennai.
Duration	: 2021 December – Till Date.
Designation	: Validation Engineer
Testing Tool	: CANoe, NI Test stand, DDT2000
Tracking Tool	: JIRA, SILK Central.
Project Description	: Worked for all infotainment modules for Renault Cars. Tested different Vehicle line cars for many countries such as RUSSIA, MEXICO, EUR, GER, GC. Working on SOP for EV and HEV vehicles for Renault France.
My Role	: <ul style="list-style-type: none">• Responsible for all the Validation Plan requirement analysis inHPQC & Silk central for Test cases & Design Steps.• Project application Involves Automation Testing & ManualTesting. Responsible for Debug/Rework for the sequence as per customer need.• Responsible for analyzing reports through Report manager tooland uploading the result to HPQC and Silk central.• BUG findings and testing the Bugs as per Customer requirementand logging the status in JIRA (Ticket Management tool) information to be shared to Customer and Supplier.

Previous Organization	:	HCL Technologies Private LTD, Chennai.
Duration	:	2017 Jan – 2021 November.
Designation	:	LabVIEW Developer
Testing Tool	:	CAN, ARINC 429
Project Description	:	UUT undergoes hiccups or shutdown race conditions when its battery reaches the depletion state. This project is to provide evidence that the UUT goes through a safe shutdown when a brand new or aged battery gets fully drained and reach the depleted state.
My Role	:	<ul style="list-style-type: none"> Gathering requirements from client. Development of application using NI LabVIEW. Showing demo and updating the application based on the client comments. System testing with UUT & providing solutions for technical issues. Preparation of test report, User Manual, Installation Document and validation document.

Academic Details:

B.E (ECE)	:	Government of College of Engineering, Bargur.
Duration	:	2013 to 2016
Score	:	7.3 (CGPA)

High School (+2)	:	Government higher secondary school, Valapandal
Duration	:	2011 - 2012.
Score	:	86%

High School (10th)	:	Government high School, Korukkathur.
Duration	:	2009-2010.
Score	:	92.3%

Personal Profile:

Date of Birth	:	06/06/1995
Nationality	:	Indian
Marital Status	:	Married
Language Known	:	English (Fluent) Tamil (Fluent)

Declaration:

I hereby declare that the details furnished above are true to the best of my knowledge.

Date : 09/26/2022
Place : Chennai

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