Manikanta.P

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# Objective

To prove myself as a dedicated and energetic professional in a reputed organization which gives me a scope to apply my knowledge and skills that contributes success and growth to the organization.

# Experience

Working as a **HIL Testing Engineer i**n **Valeo,** Aug 2020 to Till Now.

# Work Summary

* Having 2.6 years of experience in Verification and Validation in Automotive Domain.
* Having Hands on experience on CAN, Canoe tool, UDS Protocol, and Dspace.
* Experience in Verification and Validation of ADAS Features active safety and passive safety features
* Experience in **Cyber security** testing CMAC validation, boot loader authentication.
* Proficient in Requirement analysis for test case creation.
* Performing functional testing and system level testing
* Hands on experience upon **SW Test and Integration Testing** for ADAS**.**
* Preparing Validation Test Specification, execution & analysis of test cases.
* Having Networking knowledge on OSI models.
* Good programming skills in CAPL.

# Technical Skills

* Good knowledge in CAPL.
* Ample knowledge on Software Life Cycle (SDLC & STLC).
* Having good knowledge on I2C, CAN, UDS Protocol, and Dspace .
* Knowledge on configuration Management Tools Jira & Polarion.
* Knowledge on Canalyzer, Canoe, Lauterbach, Trace-32, MEM tool .
* Good knowledge in Verification and Validation in Automotive Domain.
* Good knowledge in Verification and Validation of ADAS Features active safety and passive safety features.

**Project-1: Name: Safety Module of Occupant (SMC)**

**Description:**

* This Module provide the safety to the occupants with the help of RSU and DC sensors.
* Airbags ( loops), Ecall features, Fuel cut off event ,Event notification signal also tested Short to ground and Short to battery faults.
* Also worked on CAN and UDS for the Safety project, Voltage profile test.

Customer Name : Audi.

Period : From Apr 2021 to Till Now.

Role : HIL Test Engineer Environment : Canoe, Trace 32, JIRA, CAPL

## Roles and Responsibility:

* Responsible for understanding the client new requirement related Database.
* Analyse the requirements and write the test cases.
* Reporting, Tracking, Retesting and closure of defects after bug fix.
* Capturing & analyzing the requirements for ECU system architecture
* Performing automation testing using Canoe tool and providing test reports.
* Make the Hardware setup ready.
* Involved in Automation Capl Scripts Execution and analysis.
* Report the issues with proper log files by using the defect tracking tool.
* Supporting development teams for bug fixing and feature development
* Test case written in application management tool, test case execution and manual testing and CAPL Test scripts writing.

**Project-2: Name: RADAR** (**Active Safety**)

**Description:** Radar can sense the data and it will pass to the Domain controller (Active safety), Domain controller will provide the data to the actuators (Vehicle speed, steering wheel, ABS). Also tested Time sync, Boot loader, Autosaur, Blockage detected fault, Detections and BSW and RTE components, CAN and UDS areas for the same project.

Customer Name : Ford

Period : Aug 2020 to Mar 2021

Role : Verification & Validation Engineer Environment : Canoe, Trace 32, Jira, later batch

**Roles and Responsibility:**

* Responsible for understanding the client new requirement related Database.
* Analyse the requirements and write the test cases.
* Setting up the fault free with Rx messages and Routines and DID’s
* Reporting, Tracking, Retesting and closure of defects after bug fix.
* Capturing & analyzing the requirements for ECU system architecture
* Performing automation testing using Canoe tool and providing test reports.
* Make the Hardware setup ready.
* Involved in Automation Capl Scripts Execution and analysis.
* Report the issues with proper log files by using the defect tracking tool.
* Supporting development teams for bug fixing and feature development

Test case written in application management tool, test case execution and manual testing and Capl Test scripts writing.

# Educational Qualification

* + Bachelor of Technology in CSE from Sri Sivani College of Engineering, affiliated to JNTUK, Chilakapalam (2015-2019).
  + Intermediate in Sri Chaitanya Junior college, Vizag (2013 – 2015)
  + SSC in Kesava Reddy EM School.

# Personal Information

Father Name : Mohan Rao Potnuru. Sex, Marital Status : Male, Single.

Languages : English, Telugu.

Address : Amadalavalasa, Andhra Pradesh-532185.

**Declaration**

I hereby declare that the particulars mentioned in the resume are best of my knowledge and belief.

Date: / /

Place: Srikakulam. Manikanta.P