SRIKANTH REDDY

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Career Objective:

To associate with an organization which progresses dynamically and gives a chance to update my knowledge and enhance my skills in the state of technologies and to be a part of team that excels in work towards the growth of organization and my satisfaction thereof.

Professional summary:

- 3.3 years of experience from MAGNA ELECTRONICS in Automotive domain Verification and Validation (V&V) in System testing, Hardware In Loop (HIL) Testing.
- Requirement understanding, test plan creation, writing test cases and generating test reports in Instrument Panel cluster and Brake system Projects.
- Experience in Test case design, development, execution, defect reporting and validation.
- Experience in using CAN, UDS Protocols.
- Strong knowledge on SDLC AND STLC life cycles.
- Hands on experience on black box testing in automotive domain.
- Knowledge on CAPL.
- Experience on Test automation.

Good interpersonal skills, committed, result oriented and hard working with a quest and zeal to learn new technologies

Education Qualification:

- Completed B.Sc from CH.Charan singh university,Meerut in the stream of Electronics with an aggregate of 67% in 2015.
- Completed intermediate in Narayana junior college with an aggregate of 76% in the state board
- Completed SSC with an aggregate of 81% in the State board.

Work summary:

Project #1: VDDM ECU

Client location: Magna Electronics

Duration: January 2020 – Till date

Title: Verification and Validation on Brake systems on Volvo Cars With LABCAR (HIL Simulation)

Tools Used: CANoe 10, Xflash, Easyflash, Project Loader, DSA, IBM Doors.

Description:

- Scope for this Project is checking Brake systems Functionality and acts as the Gateway to other ECU's
- Features in this project are Auto Vehicle Hold (AVH), Wheel speed sensors (WSS), Human machine interface (HMI), Emergency Brake light (EBL), Post impact braking (PIB), Rear collision braking (RCB), Antilock braking system (ABS), Electronic stability programming (ESP) and emergency park braking (EPB) and more.

- Every Functionality have its importance and different brake force required for the different activations.
- In this Project, Both Internal signals of the ECU and Network signals sent on to the network are also being checked for more Robust Testing.
- In Labcar setup, we will be simulating all the ECUs virtually except Braking ECU and will be checking network as well as Internal signals when communication happens.
- Checking PNC and VFC, partial networking the ECU or the cluster can remain in selective sleep mode without wasting energy when the respective tasks are not required.

Roles and Responsibilities:

- Understanding the requirements for all the Value added Functions and Networking in the project and Developing Test cases in Quality Centre.
- Checking the Requirements with SWRS and in DOORS and to validate whether requirement can be tested in LABCAR or in Real Vehicle.
- Provide technical guidance to the peers.
- Deliver the software verification results within the timeline with 100% quality.
- Exploratory testing for functionalities allocated
- Finding the Defects and raising them in the HP ALM and performing Defect Fix test in the next software releases.
- Peer review of test cases against requirement, compile the checklists.
- Creation and Execution of automated test cases on HIL simulation using STEPS tool.
- Debugging for automation script in failed results.
- Review of Doors documents whether it is feasible to test the requirements in HIL setup.

Project #2: Instrument panel cluster (Volvo)

Location: Magna Electronics

Duration: November 2018- January 2020

Tools Used: CANoe 10, CANoe 8.2

Description

- Scope of this project is checking the functionality of various Gages and Indicators that Driver of the car will know information on the current status of the automobile.
- The instrument cluster will provide multiple features like Speedometer & Tachometer (GAGES), Telltales like Vehicle Ahead Telltale, Fuel Level Low Telltale, Tire Pressure Low Telltale, Lane Keeping Assist Telltale, Driver Airbag Telltale, Driver Seat Belt Telltale etc.
- Warnings on the TFT screen like ABS Warning message, Driver Seatbelt Reminder Warning message etc.

Roles and Responsibilities:

- Understanding the requirements and creating the system integration test plan to validate the same.
- Manually testing the requirements through CANoe tool and JLINK (For flashing purpose)
- Identifying the bugs and report the same in the REDMINE tool.
- Verification &Validation of test cases on CAN, LIN, Ethernet, Gages, Telltales, Segments, Illumination for different conditions.

Declaration:

- I hereby declare that every point of information provided above through to the best of my knowledge and I bear any consequences for the correctness of the above-mentioned information.

Place: Bangalore

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