

G Mahesh
Test Engineer

Mobile: 9515410150
Email: guthamahesh150@gmail.com

KEY SKILLS: Validation Testing, HIL Testing using Dspace, MATLAB Model Adaptation, Canoe, CAPL Basics, Python

Testing Tools: Dspace Automation Desk, Dspace Control Desk, ZFLS Desk.
DOORS(Requirement management Tool)
IBM Rational ClearQuest(Defect Tracking Tool)
Greenstudio Tool (ECU Flashing Tool)

Educational Details:

B.Tech: Computer science at Audisankara College of Engineering and Technologies Year of 2020.

Experience Summary:

Currently working in Associate Software Engineer in **Infotel India Pvt .Ltd (Vitesco Technologies Pvt Ltd)**, Bangalore from 2nd Feb 2023 to Till Working.

Worked as a Associate Software Engineer in **Solartis Technology Service Pvt. Ltd** , Chennai from 13th Oct 2021 to 31st Jan 2023.

Professional summary:

- 2Plus years of Hands on experience in Embedded HIL Testing using Dspace also Validation Engineer in IVI systems.
- Good knowledge in Software Test Life cycle and the Communication Protocols CAN and Diagnostic protocols like UDS.
- Good Exposure in MATLAB Model Adaptations and knowledge in python script.
- Good Experience in Automotive Testing Components.

PROJECT DETAILS:

Project Name : ECU Testing using Dspace
Modules : Test Case Development & Execution
Client : Chrysler_MCA & Toyota
Product : Electronic Control Unit Testing
Testing Approach : Manual Testing and Automation Testing
Team Size : 50

Responsibilities

- Involved in Analyzing the Requirement going to implement in an each Modules of an Electric power steering and creating the Test Specification in DOORS (Test Steps).
- Involved in Preparation of RTM (Requirement Traceability Matrix)

- Involved in implementing the Test Sequence in Automation Desk Tool from test Specification.
- Performed the execution of the test sequence in Automation Desk tool to ensure that all the ECU Functionalities (like Active Return, Software End stop, Driver Torque Steering Compensation etc...) are working fine and ensuring the quality.
- Involved in Failures Debugging and reporting the results to the Dev Team.
- Involved in MATLAB Modelling and Model Adaptation for every version Migration of dspace Tools.
- Carry out regression testing every time when changes are made to the code and ensuring the quality of an ECU.
- Involved in releasing the test results and check-in results in the ClearCase Tool.
- Involved in raising the defects in IBM Clear Quest.
- Maintained the Defect Sheet for Each Modules to Track the Bug Status Daily and update the status in the Bug Sheet.
- Involved in requirement review and Test Specification Review in DOORS.
- Involved in Dspace version migration and the migration testing.

Project Name : In Vehicle Infotainment System
Modules : Test Case Development & Execution
Client : Nissan
Product : Electronic Control Unit Testing
Testing Approach : Manual Testing
Team Size : 3

Responsibilities

- Involved in Dspace version migration and the migration testing.
- Capturing & analysing the requirements for Entertainment System.
- Validating different modules like BT, Car play, Android Auto, AUX.
- Generated test cases from given FTP (Functional Test Plan) for Entertainment system.
- Perform validation testing of Infotainment features in all possible conditions like FM, USB, Car play, Android Auto, SWRC, and Bluetooth.
- Performing the rapid validation tests for all those conditions and in Invalid Cases also.

Declaration:

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

G Mahesh