B MOUNICA
HIL Test Engineer
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Objective: Having 4.8 years of experience in the field of **HIL Testing** using **dSPACE** and **ETAS LABCAR**, **Embedded System testing** and **documentation in Automotive Domain**.

Technical Skills:

Tools& Utilities	**:** Canoe, CANalyzer
Test Cases Authoring Tool	**:** Automation Desk (dSPACE-SCALEXIO), ETAS LABCAR
Calibration, Management	**:** Control Desk (dSPACE), ETAS LABCAR Model
Version management	**:** Clear Case
Protocols	**:** CAN and UDS, CAN FD.
Tools	**:** IBM DOORS, RQM
Defect Tracking Tools	**:** JIRA, BUGZILLA, ALM
Operating System	**:** Windows XP, 7&10, UNIX and Linux
Programming Languages	**:** Basic CAPL scripting, Python Basics

Professional Experience:

- o Worked in **Helius computech Services Pvt Ltd**, Hyderabad as a Software Engineer from April 2022 to March 2023
- o Worked in **Incred Services Pvt Ltd**, Bengaluru as a Software Engineer from July 2019 to June 2021 .
- o Worked in **TechMahindra**, Hyderabad as a Software Engineer from October 2017 to May 2019

Academic Chronicle:

Master of Technology in Embedded Systems (M.Tech) from SRM University, Chennai in 2017 with 7.5 cgpa.

Bachelor of Technology in Electronic and Communication Engineering (B.Tech) from P.B.R.VITS College of Engineering, Kavali in 2015 with 79%.

Helius Computech Experience Summary:

       Project: HIL Testing for Electric Power Steering Systems.

     Designation : Software Engineer.

    Tools   : Control Desk, Doors, Canoe

    Role   : Test Engineer

Roles and Responsibilities:

- ➢ Involved in Analyzing the Requirement going to implement in each Modules of an Electric power steering and creating the Test Specification in DOORS (Test Steps).
- ➢ Have Good Experience in doing HIL Testing.
- ➢ Experience in Control Desk & Automation Desk.
- ➢ 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, Handwheel Torque, Steering Angle, BVM, Power assist etc.) are working fine and ensuring the quality.
- ➢ Involved in Failures Debugging and reporting the results to the Dev Team.
- ➢ 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.

InCred Services Experience Summary:

      Project   : Validation for Chassis functions

      Designation : Software Engineer.

      Tools   : dSPACE(Control desk),Canoe

      Role   : Test Engineer

Roles and Responsibilities:

➢ Involved System testing for Chassis functions.

➢ Involved Brakes and Steering function Testing in HIL bench.

➢ Involved Requirement Analysis and Test case development.

➢ Involved in Diagnostic Testing.

➢ Maintained the Defect Sheet for Each Modules to Track the Bug Status Daily and update the statusin the Bug Sheet.

➢ Performing Regression Testing for each bug fix software received.

➢ Attend the daily meetings for testing status and plannings.

Tech Mahindra Experience Summary:

     Project   **: Electronic Stability Program (ESP)**

     Designation **: Software Engineer.**

     Tools   **: LABCAR, CANalyzer, X-Flash**

     Role   **: Test Engineer.**

Description: ESP is a computerized technology that improves a vehicle's stability by detecting and reducing loss of traction (skidding). The integrated functionality of the ABS Prevents the wheels from Looking when the breaks are applied, while TCS Inhibits wheels' spin during acceleration.

Responsibilities:

➢ Analyzing the Requirements and Creating Test Specification as for the Requirements.

➢ Reviewing the functional test cases developed by test engineers.

➢ Performing the Testing on the ESP ECU using Lab car Simulator.

➢ Performing the CAN&UDS Testing.

➢ Reporting the Deviations with the Test Specification of the Software.

➢ Performing Regression Testing for each bug fix software receive

Declaration:

I hereby declare that all above information is true and references available on request.

Personal Details:

Name: B. Mounica

DOB: 10-07-1994
Gender: Female
Father's Name: B. Venkata Rao
Marital-Status: Married
Nationality: Indian

Date:24-10-2023

Yours Truly,

Place:Hyderabad   B. Mounica