G.S.PRAVEEN

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CAREER OBJECTIVE:

To work in a challenging environment using all my skills and efforts to explore in different fields and seek an opportunity for continuous learning. Where I can utilize current skills & knowledge at the same time gradually gain experience in different facets of technology for the overall growth of organization

PROFESSIONAL SUMMARY

- ✓ Having 2 +years of experience in the domain Embedded systems significantly in validation of different Automotive ECUs.
- ✓ Having experience on **BLACK BOX testing**
- ✓ Skilled in **UDS protocols** for transmitting diagnostic data between the diagnostic tool and ECUs, ensuring accurate and reliable data exchange.
- ✓ Proficient in reading and **clearing DTCs (Diagnostic Trouble Codes) and DID's (Data identification**) for efficient issue resolution.
- ✓ Having a good experience in **CANoe, CANalyzer**.
- ✓ Ability to develop **CANoe** simulation for the ECU using CAPL programming.
- ✓ Have good experience on understanding and analyzing the system requirements related to **Radar** and **ADAS**
- ✓ Good understanding of Vehicle Networks communication protocols CAN, system functionality using diagnostic protocol UDS.
- ✓ Experience in communication protocols **like CAN and CAN TP**, ensuring effective data transmission within automotive systems
- ✓ Skilled in utilizing **Canoe** for comprehensive testing and validation of automotive protocols.
- ✓ Having a good experience in Canoe Tool in project with **Trace window, Graphical window, Panel window, IG block, Measurement window, Simulation window.**
- ✓ Knowledge on various testing's **like Smoke testing, Functional testing, Regression testing, Sanity testing and Stress testing.**
- ✓ Experienced in harness preparation for precise **bench-level testing** of automotive components.
- ✓ Having experience in Automation Testing in the **HIL Testing.**
- ✓ Having experience in all stages of the **SDLC**, from requirement analysis and design to implementation, testing, deployment, and maintenance.
- ✓ Able to Identify the **BUGS and Raising the Tickets and Tracking.**
- ✓ Proficient in utilizing the **V-Model** throughout the (SDLC) to ensure thorough verification and validation of software products, corresponding testing phases to enhance product quality and reliability
- ✓ Experience in creating, prioritizing, and managing issues (bugs, tasks, user stories) within **JIRA to ensure timely resolution and track progress**

TECHNICAL SAVVY

- ✓ Operating System : **Windows 10**
- ✓ Communication Protocol : **CAN(VN1630A), CAN-TP, UDS**
- ✓ Programming Language : **CAPL**
- ✓ Automotive Testing Tools : **Canoe, CAN Analyzer**
- ✓ Bug Tracking Tool : **JIRA,ALM**
- ✓ Requirement Management Tool : **Rational Doors**
- ✓ Hardwar : **CANCaseXL**
- ✓ Version control Tool : **GIT.**

PROFESSIONAL EXPERIENCE:

Organization : **Mphasis limited**

Designation : **Associate Software Engineer**

Duration : **Dec- 2021 to Till Date (2.2+ Years Exp.)**

PROJECTS:

PROJECT 1: FCW (ADAS) January 2023-December 2023

Overview: FCW system is a **complicated safety technology that monitors a vehicle's speed, the speed of the vehicle ahead of it, and therefore the distance between the vehicles**. If vehicles get too close because of the speed of the rear vehicle, the FCW system will warn that driver of an impending crash.

Roles & Responsibilities:

- ✓ Prepared detailed test plans, test cases and test reports to document testing activities, Results , anddefects for effective communication within the development team
- ✓ Analysing the requirements and design the TP for each VF.
- ✓ Reviewing the TP developed by other test engineers and performs the MIL Validation for that TP.
- ✓ Sending signals through CANOE tool and checking in the Trace window.
- ✓ Updating the vehicle functions based on customer requirements.
- ✓ Executive functional testing like smoke, Exploratory &regression testing
- ✓ Testing Routine controls for start, stop and routine results for different RIDs
- ✓ Creation of validation plans using RTM TOOLs.
- ✓ Identify the bugs and reporting bugs into the bugtracking system with supporting log files and data using JIRA.
- ✓ Ensuring accurate and reliable performance of feature such as FCW ADAS features were performing with the help of canoe.

PROJECT 2: Short Range Radars –March 2021to December 2021

Overview: This project involves validating and certifying of all diagnostics services like **$10, $11, $14, $28, $22, $2E, $85, $31, $19, $27, $3E** against Client requirements. Also validate the different Data Identifiers, Routine Identifiers at the different security levels based on requirements.

Roles & Responsibilities:

- ✓ Analyzing the reviewing the System Requirements given by the requirement team.
- ✓ Testing all services with General Positive response, NRC check, No response, and Functionality based scenarios. Worked on **CANoe** configuration for test.
- ✓ Extensively testing **DTC (Diagnostic trouble code)** with hardware DTCS and lost communication DTCs with Real bus simulation of all ECUs.
- ✓ Validated the different Data Identifiers, Routine Identifiers at the different security levels based on the requirements.
- ✓ Configuration and verification of various **DTC's, DID's, RID's.**
- ✓ Validation of various DID's using Read & Write services through diagnostic sessions.
- ✓ Verified all the supported DID's and its response length.
- ✓ Involved in discussion for developing test cases of diagnostics.
- ✓ Testing protocols are **CAN,CAN-TP and UDS Utilized diagnostic tools to read and clear Diagnostic trouble codes(DTCS) and Data identification(DID)** for accurate troubleshooting and resolution of FCW issues
- ✓ Testing Routine controls for start, stop and routine results for different RIDs.
- ✓ Reporting bugs and Tracking the status by using JIRA tool.

EDUCATION

- ✓ Completed **B.Tech (ECE)** in 2021 under JNTU (A) University, Sri Venkateswara college of Engineering and Technology, Chittoor, with an aggregate of **7.8CGPA.**
- ✓ Completed **Diploma** from Sri Venkateswara college of Engineering and Technology, Chittoor, in 2018 from A.P. State Board with **78%**.
- ✓ Completed **SSC** in 2015 from State Board with **7.3CGPA.**

PERSONAL DETAILS:

Date of Birth	: 17th JULY, 1999.
Gender	: Male.
Marital Status	: Unmarried.
Languages Known	: English, Telugu, Hindi and Kannada.
Hobbies	: Internet Surfing, Travelling.

DECLARATION:

I do hereby declare that the particulars of information and facts stated here inabove are true, correct and complete to the best of my knowledge and belief.