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CAREER OBJECTIVE

To be recognized as an efficient and competent individual having good interpersonal and technical skills. Being a smart worker with a positive attitude, I aspire to prove my talent in the fast-moving technological world. My broad level future goals are to work on innovating new technologies, which will take me and my organization to a higher level.

PROFILE AT GLANCE

- Currently working in **TATA Consultancy Services**, as Software Engineer.
- 3 years 6 months of work experience on Automotive Braking Software Testing (**Active Safety**).
- Good understanding of Software testing life cycle activities from starts of project to closure.
- Experienced in the test processes including Test Design, Test Case Preparation, Test Execution, Defect tracking and Test log Preparation.
- Good knowledge of automotive safety systems like **ADAS** (Front Camera Module).
- Experience on Requirement analysis and V&V/Functional Testing (**HIL**).
- Comfortable working with tools like **CANalyzer, CANoe**.
- Experience in verification of in-vehicle networking protocols like **UDS (ISO 14229) and CAN Protocol, Safety tests, On-Board Diagnostics (OBD II).**
- Excellent Interpersonal and Communication skills.

ACADEMIC QUALIFICATION

- Completed Bachelor of Engineering from Sri Venkateshwara College of Engineering and Technology in Chittoor with 65% During 2012-2016.

TOOLS AND TECHNOLOGIES

- Software Tools   : CANalyzer, Canoe, CAIT's TOOLS.
- Test Environment   : DSpace based LABCAR for Braking ECUs, HIL
- Configuration Management: DOORS, PTC integrity.
- Programming Language   : Basics C Language, VT Studio.
- Protocols   : CAN, UDS ISO 14229, OBD II.
- Operating System   : Windows 7/8/10.

PROFESSIONAL EXPERIENCE

- Having 2 years 1 month of Experience in Embedded Automotive domain as Test engineer in **KINGSTON INFO SOLUTION SERVICES PVT LTD.**
- 1 year 5 months of work experience on Automotive Braking Software Testing (Active Safety). Currently working on **TATA Consultancy Services PVT LTD** as Software Engineer.

Project_1:
Automotive Electronics Vehicle:

Analysis of OEM requirements and preparing test procedures to test requirement coverage (Test specification, Test script development)
- Execution of tests on HIL Setup (DSpace based LABCAR) and Analysis of test results.
- Root cause analysis for identified defects.
- Requirement testing for multiple OEM's spanning areas of Diagnostics, Fault Management, OBD and Communication
- Network Management Testing for verifying ECU sleep and wake-up behavior.
- Training new members of the team
- Simulating failures of sensor's connected to the ECU in order to validate ECU behavior.
- Testing Emission related faults and their behavior along with validating of SAE J1979 Behavior of vehicles

RESPONSIBILITIES

Test Specification, Scripting and Test Result Review:
- Understanding of Client Requirement Specifications.
- Developing the Test Specification according to the requirements and based ASIL Level
- Peer Reviewing the work done by other team members, Interaction with the client to discuss the queries.
- Involved in developing the Test Cases according to the specifications, Input modules.
- Validating the Test Results based on the input, validation of observed behavior with expected behavior.
- Identifying and reporting errors and defects, raising an incident in PTC for identified defects.
- Debugging of issues to provide a first phase analysis to developers for identified defects.
- Summarizing test results and Preparing the Test reports

Project_2:
Functional testing of Front Camera Module ECU

- This project is based on the checking the functionality of the Front Camera Module for Advanced
- Driver Assistance System (ADAS). FCM is one of the ECUs (Electronic control unit) of modern Cars/Trucks with Automatic/Adaptive cruise control features.
- The Front Camera Module as capable of capturing an image and processing that image to provide multiple features to the customer like Forward Collision Warning (FCW), Lane Departure Warning (LDW), Lane Keep Assist (LKAS). We develop test cases on Canoe tool and execute them on setup.

RESPONSIBILITIES

- Involved in analyzing Customer requirements which are extracted from DOORs.
- Involved in developing test cases as per the customer requirements using Canoe tool and execute them on HIL setup.
- Test results are documented and send to customer in timely manner.
- Defect reporting and tracking using PTC tool.

DECLARATION

I hereby confirm that the information provided is true to the best of my knowledge.

Date:

Place: Jakeer V