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Career Objective:

Hands on experience in performing **Design and Development** of system and sub-systems as well as system integration process in Automotive Domain. Willing to work at a responsible position as a system Requirement Developemt engineer in a renowned organization.

Professional Summary:

- Having 2+ Years of experience in automotive industry and working in various domains like **Application Development & Automotive Industry as Validation Engineering** in Active Safety domain for **EPS** Module.
- Responsible for testing of **Driver Torque Measurement_TOS (Torque Only Sensor)** feature of **EPS** system.
- Working Experience in both Development And Unit-testing of software requirements of **EPS** – “Driver Torque Measurement” feature
- Experience in analysis of Software Requirement Specifications, development of test cases, execution and generating test reports accordingly.
- Experience on unit-testing in Test environment using **Tessy (4.3) And TricoreEclipse IDE** tools.
- Establish traceability, Peer reviews for writing Test case specifications, Verification Criteria, System and software requirements in System Engineering Process.
- Worked with stakeholders & requirements engineers to increase Test coverage and requirements within test boundaries.
- Feature testing for the multiple variants like Volkswagen and Audi Variants.
- Flashing the software/ build to the target & flashing testing.
- Working on **CAN and Flexray** protocols, Diagnostic Protocol **UDS (ISO14229)**, requirement specification tool **IBM DOORS**, life cycle management tool **PTC Integrity and Rhapsody**.

Additional Skills :

- **Tools**
: Tessy (4.3), IBM Doors, PTC (Integrity Client),
Rhapsody,Eclipse,Winidea,Tricore Eclipse (IDE).
- **Protocols**
: CAN & SPI
- **Flashing Tool**
: Winidea

- **Scripting**
: DXL
- **Testing**
: Software Automation Testing.
- **Operating System**
: Windows Family

Professional Experience:

Hella India Automotive pvt ltd, Pune.
Aug 2024 - Present
Development And Unit-Test Engineer

Description:

This project is **EPS ECU** Product. It deals with Driver Torque measurement for multiple variants.

Roles and Responsibilities:

- Responsible for testing of **TOS (Driver Torque Measurement)** feature of **EPS** system
- Developed and maintained requirements and traceability matrix using DOORS to ensure all system level requirements given by the customer are met during release. Understanding System Requirements and creating test cases based on it.
- Identify software bugs during software execution and reporting to software development team by using bug life cycle tools like **PTC Integrity**.
- Working Experience in both manual and automation testing of software requirements of **EPS – “Driver Torque and Wheel Angle Measurement”** feature
- Experience in analysis of Software Requirement Specifications, development of test cases, execution and generating test reports accordingly.

Performing object Detectors (SODs) are paired radar sensors mounted near NKBthe rear corners of the vehicle and viewing to the sides and rear of the vehicle. The rear SOD sensors feed radar sensing information to a central controller called the ADAS_ECU. The ADAS_ECU controls several Advanced Driver Assistance features like Blind Spot Monitoring System (BLIS), Rear Cross Traffic Alert (CTA), and Cross Traffic Alert with Braking (CTAwB). The SODs also support additional features that are primarily control.

Roles and Responsibilities:

- Involved in product specifications development for EcuMExt Module.
- Level2 Requirement analysis of Stake Holder requirements (Mercedes- Benz).
- Developed and maintained requirements and traceability matrix using DOORS to ensure all system level requirements given by the customer are met during release.

- Development ECU and Torque related test cases using CAN services.
- Participating in Test procedure reviews.
- Creating the test panel as per the developed test cases in **DOORS**.
- Performing Regression/Execution of developed scripts on every software release.
- Identify software bugs during software execution and reporting to software development team by using bug life cycle tools like RTC.
- Preparing Software Quality Status report.
- Defect reporting and tracking by using Tessy tool.
- Direct customer interaction with Client and sharing Test Procedure & Reports for review.

Environment: CAN, SPI.

Education:

- Graduated from BVC Engineering (Autonomous) College, Amalapuram, East Godavari district, Andhra Pradesh. with specialization in BTech (Electrical and Electronics Engineering) in the year 2020.