Devansu Singh

E-mail- devansu1998@gmail.com
M.no-8827948039

Objective

To pursue a career with a company that has a global vision, promotes creativity and to be part of a team that dynamically works towards the growth of the organization and there by gain satisfaction.

Profile Summary

- **A professional with over 3.7 years of experience in Automotive Software Engineering & Development.**
- **Strong in C and Embedded C programming.**
- **Good knowledge on SDLC life cycle for Development and testing (V based and Agile).**
- **Good Knowledge on Autosar layered Architecture.**
- **Good in Project Management and Requirement management tools like JIRA, DOORS.**
- **Proficient in Vector DaVinci Configurator and Developer for automotive SW development.**
- **Good knowledge on CAN ISO-11898, CANTP ISO-15765-2 and UDS ISO-14229.**
- **Good hands on with Autosar Modules like COM & DCM stack and RTE layer.**
- **Good knowledge on DEM module configuration.**
- **Good hands-on experience in the usage of Autosar configuration tool EBTresos, Autosar Builder.**
- **MISRA warning analysis and generating the report and fix warnings.**
- **Good working knowledge on Cypress & Infineon microcontrollers for embedded projects.**
- **Good hands-on experience of the usage of Canoe, Vector Cast & Debuggers.**
- **Good communication skills.**

Work History

Currently working as Software Engineer in **Continental** Bangalore through Supremology Software Services .(10 may 2023 – till now)

Working as a part of **ADAS based development for Automotive Client as a part of Development and testing .**

Worked as Software Engineer in Magneti Marelli through vendor company .(10 months)

Worked as Graduate Engineering Traning at **Power Grid Corporation of India Ltd NR-II(PGCIL)(10 nov 2020 – 9 nov 2021)(1 year)**

Education

- B E, EEE Rustamji institute of technology B.S.F Academy Gwalior| 77.50% (2015-2019).
- HSC, T.P.S College Patna| 61% (2013-2015).
- 10th, Kendriya Vidyalaya Ara| 78% (2013).

Technical Skills

Languages	**:** C, Embedded C, MISRA
Requirement Tools	**:** DOORS, Jira, GIT,Rhapsody.
Micro controllers	**:** Cypress & Infineon CYT3B98ACE.
Autosar Tools	**:** EBTresos, Autosar Builder, **Vector DaVinci Configurator And Developer .**
Testing tools	**:** Vector cast, G Tool, Tessy,Canoe VN-5610A.
Flashing and debugging Tools	**:** Eclipse, Trace 32 (Lauterbach).

Project Details:

Project 1: Engine Management System – COM Module

Description: Engine Management System consisting of a wide range of electronic and electrical components such as sensors, relays, actuators, and an Engine Control Unit. It is responsible for the entire combustion process.

Roles & Responsibilities:

➢ Requirement analysis for the User story and understanding the Requirement w.r.t the changes to be done as part of the User story.
➢ Autosar COM stack configuration (Adding and modification of new PDU's and adding new signals and modifying the existing signals as per the requirement).
➢ RTE Layer configuration for COM and DCM module using Autosar Builder.
➢ Source code generation the newly added changes for signals and PDUs as configuration file.
➢ Compilation of the source code and fixing errors during build
➢ Fixing the QAC Warnings as per MISRA Guidelines.
➢ Stub code implementation for the changes done for testing purpose.
➢ Preparation of test cases and execution of test cases using CANoe.
➢ Used Vector cast tool for unit testing and code coverage of com module.
➢ Story updation for the changes done as the User story handled.

Tools : EB-tresos, Autosar Builder , CANoe-Vn5610A, MC-CYT2B9, Trace32, Lauterbach(H/w).

Project 2: ADAS - HCP(High Computing Performance)- Diagnostic(DCM) and DEM module(Current Project).

Roles & Responsibilities:

➢ Requirement analysis for the User story and understanding the Requirement w.r.t the changes to be done as part of the User story.

- AUTOSAR Diagnostics stack configuration (Services and Sub-Functions as per Diagnostic Specification) using Configuration tool **Vector DaVinci Configurator And Developer** for RTE layer.
- Implementation and Configuration of UDS services, DIDs and RIDs as per customer input.
- For unlock the DIDs using the SFD and E2E Protection.
- Configuration and Implementation for DTC's as per Fault matrix Sheet.
- Using **Vector DaVinci Developer for** configured the DCM module for diag component as ports and port
- Compilation of the source code and fixing errors during build by Linux Pc
- Fixing the QAC Warnings as per MISRA Guidelines.
- Stub code implementation for the changes done for testing purpose.
- Preparation of test cases and execution of test cases using CANoe.
- Used G tool for unit testing and code coverage of Diagnostic module.
- Story updation for the changes done as the User story handled.

Tools : **Vector DaVinci Configurator And Developer**, CANoe-Vn5610A, MC-CYT2B9, Trace32, Lauterbach(H/w) LA3500, Tenma (T2-2710) ,Relayswitch, Powershell , Linux PC , Doors, JIRA, GIT.

Personal Details

- Name   : Devansu Singh
- Marital status   : Single
- Languages Known   : English and Hindi.

Declaration

I hereby declare that above information is true to the best of my knowledge and I want any opportunity to show my talent and ability.

PLACE: Bangalore   Your Sincerely

                                                                                                    (Devansu Singh)