K KALYAN SRINIVAS REDDY

Mobile: +91-7095151857

E-mail: kundurukalyan1518@gmail.com

CAREER OBJECTIVE:

Seeking a challenging opportunity in an organization with responsibilities that will effectively utilize my Work experience and Technical skills to achieve organizational goal. To be recognized as an efficient and competent individual having good interpersonal and technical skills.

WORK EXPERIENCE:

- Having 3.10 Yrs. of Experience in Automotive Industry as a Test Engineer.
- Working experience in BootLoader Module and Cybersecurity Module.
- Good Experience in UnitTest using **CI/CD** process through VectorCast.
- Working experience in features validation of Body control module (BCM) in HIL environment.
- Working experience in diagnostics and features validation on Instrument Panel Cluster (IPC).
- Working experience in Development of Application and Diagnostics for Occupancy Detection System(ODS) .
- Good knowledge on CAN, CANTP, CANFD.
- Experience with Integration testing in CAN UDS Diagnostics Module.
- Knowledge on Automotive Diagnostics using UDS, Embedded C, RTOS.
- Knowledge on CAPL Scripting.
- Ability to develop the Canoe simulation for the ECU's using the CAPL scripts.
- Experienced in examining the electronic control unit behavior for faults detection.
- Good communication skills and excellent qualities as a team player while working in the team.
- Having basic knowledge on MagicDraw tool for Model Based System Engineering(MBSE).
- Having knowledge on Model Based System Engineering(MBSE) and Model Based Systems(MBS).

PROFFESIONAL WORK EXPERIENCE:

Worked at Onship Microsystems pvt ltd, from May 2019 to July 2021.

Worked at L&T Technology Services, from August 2021 to Nov 2022.

Working at KPIT Technologies Limited, from Dec 2022 to till now.

EXPERIENCE DETAILS:

Project #4:

Title: Presentaion of system features in Body Control Module (BCM) - Test Engineer

Tools: MagicDraw, JIRA.

Description: To present the functions and features flow of various Body control module (ebody) features like Wiping System. Tools used for this project are MagicDraw, JIRA. Developing the flow diagrams for system features of wiping system like functionality and use cases in MagicDraw as per the requirement document from Renault Nissan customer.

Roles and Responsibilities:
- Understanding & analyzing the Requirements in System level.
- Understanding Use cases in the requirements.
- Drawing the flow diagram of functional, features and Usecases.
- Updating the progress to the team daily.
- Maintaining the Clarification logs and issue logs.

Project #3:

Title: Development and Testing of Occupancy Detection System (ODS) – Embedded SW Development

Tools: IAR compiler, Enterprise Architect, VectorCast, Coverity, Saint Bus Monitor, JIRA.

Description: Working for development as well as testing activities in Occupancy Detection System(ODS) on different modules BootLoader and Application for Hyundai project . Developing code as per the requirements(CDD). Tools used for this project are IAR compiler, VectorCast, Saint Bus Monitor, Coverity, Enterprise Architect, NXP S32 Design Studio, Plastics, JIRA, Polarian.

Roles and Responsibilities:
- Understanding & analyzing the Requirements for different Modules.
- Developing Embedded C code and debugging the code.
- Executing Static Analysis for finding errors using MISRA 2012 and resolving them.
- Preparing Software Detailed Design using Enterprise Architect for code changes in EAP document.
- Performing UnitTest on code using **CI/CD** process and preparing Testcase specifications.
- Performing and Preparing Test specification for Integration Testing.
- Evaluating the Output results to Customer requirement.
- Maintaining the Clarification logs and issue logs.

Project #2:

Title: Validation of different features in Body Control Module (BCM) - Test Engineer
Tools: Control Desk, Polarian, CANoe.

Description: To validate all possible combinations of various Body control module features like (Door Hazar, RKE, ORVM). Tools used for this project are Control Desk, HIL system. Developed test plans for different possible conditions during different ignition, voltage and operational conditions.

Roles and Responsibilities:
- Understanding & analyzing the Spec Requirement for different features.
- Preparing the functional Test Plan for different features.
- Executing the test cases in Control Desk in HIL Environment.
- Evaluating the Output results to Customer requirement.

- Creating Reports and update to company on team progress.

Project #1:

Title: Validation of different Features in Instrument Panel Cluster – Test Engineer
Tool: CANoe, Polarian.

Description: To validate all possible combinations of various features (Seat Belt, Hand Brake, Head Lamp) in Cluster. Software used for this project CANoe, CAPL. Developed functional test plans for different possible conditions during different ignition, voltage and operational conditions.
Roles and Responsibilities:
- Understanding & analyzing the Spec Requirement for different features.
- Preparing the functional Test Plan for different features.
- Working in simulation Environment with Database and Panels using Simulated Signals.
- Developing the test cases in Canoe using CAPL.
- Evaluating the Output results to Customer requirement.

EDUCATIONAL QUALIFICATIONS:

- ➢ **B.Tech, Mechanical Engineering (2017)**
  KKR And KSR Institute of Technology
  and Sciences.
  Stream: **Mech,** Percentage: 68% aggregate.

- ➢ **Board of Intermediate Education,A.P. (2013)**
  Sri Chaitanya Junior College
  Stream: MPC, Percentage: 82%

- ➢ **Board of Secondary Education, A.P.(2011)**
  Bhashyam Public School Stream: SSC
  Percentage:85%

TECHNICAL KNOWLEDGE:

- Programming languages: Knowledge on C -Programing, CAPL, Embedded C.

- Operating systems: Windows.

- Protocols: CAN, CANTP, CANFD, UDS.

- Software tools: CANoe, CANanlyser, Control Desk, Polarian, VectorCast, Enterprise Architect, JIRA, NXP S32 DS.

- Good Communication and Presentation skills.

PERSONAL DETAILS:

Name	:	Kunduru Kalyan Srinivas Reddy
Father Name	:	K Narayana Reddy
Date of Birth	:	27-06-1995
Sex	:	Male
Marital Status	:	Single
Nationality	:	Indian
Languages Known	:	English, Telugu &Hindi.
Hobbies	:	Reading books, Sports.

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

DATE: 08-FEB-2023.

PLACE: **(K.Kalyan Srinivas Reddy)**

PERSONAL DETAILS:

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DATE:

PLACE: Bangalore   **(K.Kalyan Srinivas Reddy)**