Tirupathi Reddy.B

Embedded Software Engineer(Automotive)

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To secure a challenging position that utilizes my years of experience, while allowing me the opportunity to grow professionally.

**Skills**

* Programming language: C, M-Script.
* Testing Tools: Arttest
* Hands On Experience with Tools: MATLAB, Simulink, Stateflow.
* Editors: Beyond Compare, Notepad ++



**Experience Summary**

* Having 2+ years of Experience in MIL(Model-In-Loop) Test Engineer



**Work Summary**

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| **2019-04 - Current** | **Embedded Software Engineer**  *L&T, Bangalore, Karnataka*   * Exposure to stages of SDLC starting from Requirement Analysis, Design, coding, integration, preparation of Test plan and Test execution. * Experience in Embedded C. * Have a basic knowledge on AUTOSAR * Hands on experience in AUTOMOTIVE testing tools TPT, CAN analyzer, INCA, UDE * Experience in Model Base Testing (TPT tool), Functional Development. Functional safety (IS026262) Testing. * Responsible for Requirement analysis, low level design and implementation, testing, integration. * Experience in Tools: DOORS, TPT, IBM Rational Clear Quest(RQ1), SDOM, EcuWorx . |

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|  | **Project details** |

# Project 1 :

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| **Project Name** | SUZUKI | Duration | May 2019  To APRIL 2020 |
| Team size | 16 People |
| **Description** | Analyzing the project and figuring out which BC is available and is best situated in the project requirement, parallel changing the project configurations as per the BC requirements . | | |
| **Role & Contribution** | Role: Testing and Integration. Contribution:  Responsible for the following:   * Analyzing the project and finding the best update from platform team * Integrating the BC in the project * Analyzing the project SWA (software analyzer report) and ProcMan warnings * Solving the SWA and ProcMan warnings * Test spec preparation * To perform Test cases asper Delta changes * BFT testing * Project delivery | | |
| **Client** | Robert Bosch Engineering and Business Solutions Ltd, Bangalore ,India | | |
| **Tools** | EcuWorx , INCA , UDE , Rational Clear Quest | | |

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|  | **Project details** |

**Project 2:**

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| **Project Name** | BFCEC | Duration | May 2020  To Nov 2020 |
| Team size | 12 People |
| **Description** | As an Function Developer main Responsibilities are preparing software design document based on requirements For CAN frame Development , integration and Prepare the test spec and perform the basic testing in LabCar with CAN analyzer ,INCA , UDE | | |

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| **Role & Contribution** | Role: Function Developer Contribution:  Responsible for the following:   * Requirement analysis and prepare the L4 DOORS requirement * Implementation of Design and coding asper customer requirement. * Implementation of CAN frame asper customer requirement. * Robustness testing for CAN frames * To perform Test Cases Development as per requirement * Documentation and Test spec preparation * Unit testing for developed CAN frame * Basic CAN frame signal testing using INCA, CAN analyzer, (specific to BOSCH) * Functional level validation (Open loop) * Static check |
| **Client** | Robert Bosch Engineering and Business Solutions Ltd, Bangalore ,India |
| **Tools** | EcuWorx , TPT , INCA , CAN analyzer ,DOORS , UDE , Rational Clear Quest |

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|  | **Project details** |

# Project 3:

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| **Project Name** | VOLKSWAGEN ,AUDI | Duration | DEC 2020  To till date . |
| Team size | 22 People |
| **Description** | Analyzing the new functional changes in Design document and tagging the new changes in document, Understanding the design logic asper, the ASIL level and LEVEL 2 monitoring, formulating the test cases asper new design changes in TPT, execution of test cases with UDE, checking the boundary condition and checking the code coverage. | | |
| **Role & Contribution** | Role: Model base testing Contribution:  Responsible for the following:   * Analyzing the new functional changes in Design document * Formulating the test case asper, the new changes * Test case execution for all possible test plan’s * Debugging the code asper, the customer requirement. * Code coverage check w.r.t all possible test cases * Code coverage report creation | | |
| **Client** | Robert Bosch Engineering and Business Solutions Ltd, Bangalore ,India | | |

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| **Tools** | EcuWorx , TPT , ,DOORS , UDE , Rational Clear Quest |



**Educational Qualification**

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| **2015-06 – 2018-04** | **Btech: Electronics and Communications Engineering**  Vaagdevi institute of technology and science*e - proddatur* |

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| **2012-07 - 2015-06** | **Diploma: Electronics and Communications Engineering**  *Govt Polytechnic College - Kamalapurem* |

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| **2011-06 - 2012-06** | **High School Diploma**  *Aditya High School - Proddatur , Kadapa Dist , Andhra Pradesh* |



**Languages**

Telugu, English



**Additional Information**

Permanent Address:

26/427, Bangaraiah kottal ,vasanthapeta , Proddatur

,Kadapa dist. Andhra Pradesh.