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| **Vishnu Vasan Nehru +91-74113 67797****8+Years - ECU SW & Test Automation Engineer** [vishnuvasan**@**](mailto:vishnuvasan@zoho.com)**vishnuvasan**[**.com**](mailto:vishnuvasan@zoho.com) | | | | | | |
| +CONTACT | | | | | | |
| Current Address | Site No: 562, TR Muniswamappa Building, 1st Main, 6th Cross, Ramagondanahalli Bangalore India - 560066 | | | | | |
| Permanent Address | B10,New Housing Unit, Mannargudi,Thiruvarur(D.t) TamilNadu India - 614001 | | | | | |
| Date of birth | November 9,1987 (30 years old) | | Gender/Nationality | | Male/Indian | |
| + EXPERIENCE | | | | | | |
| Sep 2013 – Till Date | **Mercedes Benz Research and Development India, Bangalore,India** *Senior Technical Lead – Real Time HiL Test Development*  Onsite Assignment **@ Daimler AG,Stuttgart,Germany:**  **2014:** Mar–Jun, Sep-Dec | **2015:** Mar–Jun, Oct-Dec | **2016:** Oct- Dec |  **2017:** Jan-Mar, Oct-Dec   * Test Automation Development/Testing for Sensor Diagnostic Functions - Engine ECU in Provetech:TA for dSpace HiL Environment * Test Automation Development/Testing for Transmission ECU Functions and Maximum CPU Load Measurement * Developed Real Time Scripts for Multi Processor Environments to test Engine & Transmission ECU Functions * Effective Communication/Coordination with Function Developers for better understanding of the Functionality and Leading a Team of 7 associates * Developed Multiple Generic Libraries and distributed across the whole team for better Efficiency * Multiple Onsite Assignments for Performing Validation of V Cycle SW Releases for all Daimler Engine/Transmission Sws | | | | | |
| Feb 2011 – Sep 2013 | Robert Bosch Engineering and Business Solutions,Coimbatore,India *Senior Software Engineer – ECU Application SW Model Development*   * Development of Engine ECU Functions in ASCET– OFBD Actuator Test, Torque Distribution/Reservation during Maximum Load, Idle Speed Control * Involved in Development of Stateflow/State Machine Design in MATLAB and ASCET * Involved in Integration of Customer Specific AUTOSAR Functions into ECU SW and also developed necessary adapters for the interface * Involved in Variant Specific Software Customization/Optimization based on System Architecture * Involved in various Automation Activities – Majorly Data to Model(D2M) – For Conversion of Autosar Interface Data directly to ASCET Models without human Intervention and received accolades * Some other Tools Developed are A2L Extractor,A2L Generator,E-Hooks Generator | | | | | |
| Mar 2010 – Feb 2011 | Automotive Infotronics ( A Joint Venture between Continental AG & Ashok Leyland ),Chennai,India *Graduate Engineer Trainee – ECU Application SW Development/Testing*   * Implementation of Tire Configuration Computation Algorithm in LogiCAD-KIBES 32 for Intelligent Tire System Display Unit * Involved in Development of Various Screens and Integration of Screens with Logical Modules for ITS. * Development of Tell Tale Module,Power on Self Test for Cluster * Black Box Testing for Integrated Body Control Module & Instrument Cluster | | | | | |
| + IT PROFESSIONAL SKILLS | | | | | | |
| Modeling Tools | MATLAB Simulink/Stateflow,ASCET,LogiCAD – KIBES,SciLab | | | Programming Languages | | C,Embedded C,VBA, Perl,Python,Ruby,Scala,R |
| ECU Tools | Provetech TA,INCA,Softune, Gravis, CANlyzer, CANape, VehicleSpy,dSpace HiL,ETAS Lab Car, RTPC, Control Desk | | | | | |
| Other Skills | Git,Django,Js,HTML,D3Js | | | Operating System | | Windows,OS X,Linux |
| Open Source Projects | <https://github.com/vishnuvasan> | | | | | |
| + EDUCATION | | | | | | |
| 2004 - 2008 | | Bachelor of Engineering – Electronics and Communication Engineering *77% - I Class*  Anna University/ Saranathan College of Engineering,Trichy, TamilNadu,India | | | | |
| + LANGUAGES | | | | | | |
| Languages | | **German –** A1 English - (Very good command both written and spoken)Tamil - Mother Tongue | | | | |
| + ACHIEVEMENTS | | | | | | |
| * Awarded with One Time Achievement (OTA) Award @ BOSCH for Implementation of Data to Model Converter * Awarded with Above and Beyond Call of Duty (ABCD) @ Mercedes for Work in Sensor Tests * Trained Inter Departmental Colleagues under Various Situations over the topic of Automotive Software Development and Tools * School Topper in 10th Standard with 84% * Secured 93% in 12th Standard | | | | | | |