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| **Vishnu Vasan Nehru +91-88611 94875****8+Years – Model Dev & Test Automation Engineer** [vishnuvasan**@vishnuvasan.com**](mailto:vishnuvasan@vishnuvasan.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 | | | | |
|  | **Mercedes Benz Research and Development India,Bangalore,India** *Sep 2013 – Till Date*  *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 Automation Tests in Multi Core Architecture for Real Time Multiple ECU Interaction/Environment * Developed Multiple Generic Libraries and distributed across the Internal Test Automation Community for better Efficiency * Effective Communication/Coordination with Function Developers over Test Requirements/Specifications * Utilized lot of Functional Programming concepts and Developed multiple Tools in Multiple Languages like VB Script, VBA, Perl, Javascript etc., * Multiple Onsite Assignments for Performing Validation of V Cycle SW Releases for all Daimler Engine/Transmission Sws * Leading a Test Automation Team of 7 Engineers * ISTQB- Foundation Level Certified Tester | | | |
|  | *Robert Bosch Engineering and Business Solutions,Coimbatore,India* *Feb 2011 – Sep 2013*  Senior Software Engineer – ECU Application SW Model Development   * SW Model Development of Engine ECU Functions in ASCET– Actuator Test, Torque Distribution/Reservation during Maximum Load, Idle Speed Control * Development of Stateflow/State Machine Design in MATLAB and ASCET * Developed Multiple Tools – Majorly Data to Model(D2M) – For Conversion of Autosar Interface Data directly to ASCET Models without human Intervention and received accolades * 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 * Been Instrumental in Multiple Efficiency Improvements and Developed tools like A2L Extractor,A2L Generator,E-Hooks Generator etc., | | | |
|  | Automotive Infotronics ( A Joint Venture between Continental AG & Ashok Leyland ),Chennai,India *Mar 2010 – Feb 2011*  *Graduate Engineer Trainee – ECU Application SW Development/Testing*   * Model Implementation of Tire Configuration Computation Algorithm in LogiCAD-KIBES 32 for Intelligent Tire System Display Unit * 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 SimulinkStateflowASCETLogiCAD – KIBESSciLabOctave | | Programming Languages | CVBARPerlPython Scala |
| ECU Tools | Provetech Test Automation SuiteINCACANlyzer, CANape, VehicleSpySoftuneGravisdSpace HiL, Control DeskETAS Lab Car, RTPC | | | |
| Other Skills | SVN, GitJs, D3JsHTML, CSSDjango | | Operating System | LinuxWindowsMac OS |
| Open Source Projects | <https://github.com/vishnuvasan> | | | |
| Enjoys | Code/Model/Algorithm Development**, Problems/Challenges****Programming, Foraying into New Technologies/Directions****Colloboration, Diversity, Openness, Camaraderie** | | | |
| + 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 - FluentTamil - Mother Tongue | | | |
| + ACHIEVEMENTS | | | | |
| * Awarded with One Time Achievement (OTA) Award @ BOSCH for Implementation of Data to Model(D2M) Converter * Awarded with Above and Beyond Call of Duty (ABCD) @ Mercedes for Work in Sensor Tests and received Multiple Accolades in Multiple occasions * Trained Inter/Intra 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 | | | | |