

Vishnu Vasan Nehru

+91-88611 94875

8+Years – Model Dev & Test Automation Engineer
vishnuvasan@vishnuvasan.com

+CONTACT

Current Address	Site No: 562, TR Muniswamappa Building, 1st Main, 6 th 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 | **2018:** Jun–Jul

- ◆ 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

Feb 2011 – Sep 2013



Robert Bosch Engineering and Business Solutions, Coimbatore, India

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.,

Mar 2010 – Feb 2011



Automotive Infotronics (A Joint Venture between Continental AG & Ashok Leyland), Chennai, India

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 Simulink Stateflow ASCET LogiCAD – KIBES SciLab Octave	Programming Languages	C VBA R Perl Python Scala
ECU Tools	Provetech Test Automation Suite INCA CANlyzer, CANape, VehicleSpy Softune Gravis dSPACE HiL, Control Desk ETAS Lab Car, RTPC	Other Tools	DOORS, ClearQuest JIRA Confluence Track+ Mantis Slack
Other Skills	SVN, Git Js, D3Js HTML, CSS Django	Operating System	Linux Windows Mac OS
Open Source Projects	https://github.com/vishnuvasan		
Enjoys	Code/Model/Algorithm Development, Problems/Challenges Programming, Foraying into New Technologies/Directions Collaboration, 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 - Fluent Tamil - Mother Tongue
-----------	---

+ ACHIEVEMENTS

- ◆ Awarded **Star Performer of the Year @ Mercedes (2017)** for work in Transmission Test Development Area
- ◆ Awarded with **Above and Beyond Call of Duty (ABCD) @ Mercedes (2015)** for Work in Sensor Tests and received Multiple Accolades in Multiple occasions
- ◆ Awarded with **One Time Achievement (OTA) Award @ BOSCH (2012)** for Implementation of Data to Model(D2M) Converter
- ◆ **School Topper** in 10th Standard with **84%**
- ◆ Secured **93%** in 12th Standard