Vishnu Vasan Nehru

7+Years - ECU SW & Test Development Engineer

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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 (29 years old)
Gender/Nationality	Male/Indian

+ EXPERIENCE

Sep 2013 – Till Date

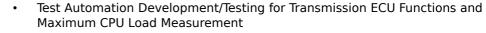**Mercedes Benz Research and Development India, Bangalore,India**

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

- 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
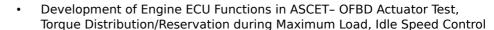- Developed Real Time Scripts for Multi Processor Environments to test Engine & Transmission ECU Functions
- Effective Communication/Coordination with Function Developers for better understanding of the Functionality and also serving as coordination point for 6 associates
- Developed Multiple Generic 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 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
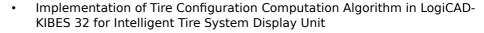- Some other Tools Developed are A2L Extractor,A2L Generator,E-Hooks Generator

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	**VBA,C,Python, Perl,Ruby,Scala, Embedded C**
ECU Tools	**Provetech TA,INCA,Softune, Gravis, CANlyzer, 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	**Tamil** - Mother Tongue

English - (Very good command both written and spoken)

German – (A1- Ongoing)

+ 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