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

#### +CONTACT

Current Address Site No: 562, TR Muniswamappa Building, 1st Main,

6<sup>th</sup> Cross, Ramagondanahalli

Bangalore India - 560066

Permanent Address
B10,New Housing Unit,
Mannarqudi,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:

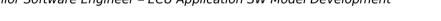
2014: Mar-Jun, Sep-Dec | 2015: Mar-Jun, Oct-Dec | 2016: Oct- Dec |

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

## 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.,

Feb 2011 - Sep 2013



#### 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/vishnuvasa	<u>n</u>	
Enjoys	Code/Model/Algorithm Development, <b>Problems/Challenges Programming, Foraying into New Technologies/Directions</b> 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 - Fluent Tamil - Mother Tongue		
· ACLUEVENTENTS			

## + 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 10<sup>th</sup> Standard with 84%
- ◆ Secured 93% in 12<sup>th</sup> Standard