Vishnu Vasan Nehru

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8+Years – Model Dev & Test Automation Engineer
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

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 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 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** 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

+ 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