NEHRU, Vishnu Vasan
Bachelor of Engineering
6.11 years of professional experience

COMPETENCIES

- Hands on Experience in ECU SW development,test automation and testing
- Good programming and modeling experience in multiple platforms/languages
- Avid learner and Problem solver

IT and SW EXPERTISE

Programming languages
C, perl, VBA , python

ECU SW Calibration and Monitoring Tools
INCA, CANape, CANalyzer

Mathematical Modeling Tools
MATLAB (Simulink & Stateflow) , ASCET, Scilab

Bus / Protocol
CAN

Hardware In Loop Environment
dSpace HiL, ETAS Lab Car

Test Automation Tools
Provetech:TA

PROJECTS

Mercedes Benz R & D, Bangalore, India ***09/2013 – Present***

(3 Years 5 months)

Senior Technical Lead

Responsible for Test automation development for multiple ECU functions

- Real Time test automation development for sensor diagnostic functions, torque coordination functions,CPU load relevant functions for engine ecu
- Developed multiple libraries and distributed across the team
- Single point of contact for test automation support
- Handling and coordination of 6 member team for test development activity
- dSpace HiL,VBA,Provetech:TA,INCA,CANalyzer,Subversion

Technical Environment:
Test Automation, Hardware In Loop Testing

Robert BOSCH, Coimbatore, India ***02/2011 – 09/2013***

(2 Years 7 months)

Senior Software Engineer

Responsible for ECU SW development and testing

- Development of various Engine ECU control SW functions
- Automated Model generation from user based input file
- Development of libraries for customer specific code generation from MATLAB
- ETAS Labcar,C,perl,MATLAB,Simulink,Stateflow,ASCET,INCA

Technical Environment:
ECU Function Development, Automation , Hardware In Loop Testing

Automotive Infotronics (JV - Continental AG & Ashok Leyland), Chennai, India
03/2010 – 02/2011

(11 months)

Graduate Engineer Trainee

Development of ECU application software for Intelligent Tire Pressure Monitoring System.
Black box testing for integrated unit of Body Control Module and Instrument Cluster

- Preparation of System Requirement Specifications, Traceability matrix
- Development of Tire configuration computation algorithm
- Development of Multiple screens and integration with the logical modules
- Performed unit, integration and system level testing for BCM and Cluster
- I/O port mapping and configuration for 16 bit microcontroller
- Driver to calculate frequency of square wave using internal timers
- Implemented custom simple cipher Algorithm for data – Minimal SW Level HSM
- HW circuit Design of Positive Temperature Coefficient,Serial Programmers
- KIBES,Softune IDE,CANalyzer

Technical Environment:
ECU Application software development, Black box testing

EDUCATION

06/2004 – 06/2008	College: Saranathan College of Engineering, Trichy, TamilNadu, India Degree: Bachelor of Engineering Focus: Electronics and Communication Engineering

LANGUAGE PROFICIENCY

German	Basic knowledge
English	Fluent
Tamil	Native language