

SUMMARY

- Result Oriented Professional with **10+ Years** of Extensive Experience in ECU SW Model Based Development, Test Automation, Testing Methodologies and Technical Leadership Skills
- Improved Test Automation Efficiency by more than 30% in Transmission Test Development Area by Developing Multiple Test Libraries and been awarded as **STAR Performer of the Year (2017)**
- Successfully Lead a Team of 9 Engineers with a Track Record of 350+ SW Test Releases in an year and been awarded as **STAR Team of the Year (2018)**
- **ISTQB – Foundation Level** Certified
- Published **Patent** - “Method For Controlling Speed Of A Vehicle Traveling In Cruise Control Mode”
- Graduated with **77%, 1st Class** specializing in Electronics and Communication Engineering
- **Topped the School** in 10th Grade, 2002

SKILLS

<i>Model Based Development</i>	MATLAB, Simulink, Stateflow, ASCET, LogiCAD, SciLab, xCos			
<i>Software & Tool Development</i>	C, Python, Perl, C#, VB, JavaScript , Scala, Elm, HTML, CSS, Git, SVN			
<i>Test Automation Development</i>	dSPACE, ETAS, Vector, INCA, CAN Tools, T1 GLIWA			
<i>Process Management</i>	Doors, Jira, Confluence, HP ALM, Mantis, Clearcase, ClearQuest			
<i>Language</i>	German	A1	English	Fluent

PROFESSIONAL EXPERIENCE**Mercedes Benz Research & Development India, Bangalore, India***Principal Engineer - Level 6*2013 Sep – Present**@ DAIMLER AG, STUTTGART, GERMANY - Deputation Assignment****2014:** Mar-Jun, Sep-Dec | **2015:** Mar-Jun, Oct-Dec | **2016:** Oct-Dec**2017:** Jan-Mar, Oct-Dec | **2018:** Jun-Jul, Sep-Nov | **2019:** Jul

- Attained Functional Safety Compliance(ISO26262) for the Transmission ECU SW with HiL Test Automation
- Rewarded with (**Above And Beyond Call of Duty (ABCD) Award - 2015**) for Conceptualization and Development of Unified Test Framework for Aggregate Torque Coordination Functionality
- Achieved more than 80% Test Coverage for Engine ECU Sensor Functions by simulating Sensor Characteristics and Intentional Fault Insertion via Test Automation
- Aided the Microcontroller Selection and Core Scheduling Mechanism by measuring the Maximum CPU Load Values of Multiple Cores using Test Automation with T1 GLIWA
- Parameterized the Models Offline by Developing a Tool in Perl and thereby improving the productivity by more than 10%
- Coordinated and Negotiated with Different Teams across Multiple European Locations on SW Delivery, Test Planning, Test Specifications , Test Issues and Issue Closure

Robert BOSCH Engineering and Business Solutions India, Coimbatore, India*Senior Software Engineer*2011 Feb - 2013 Sep

- Decided the Maximum Load Torque Distribution/Reservation in Engine with ECU SW Function Development
- Received High Accolades (**One Time Achievement (OTA) Award - 2012**) for Improving the Overall Work Efficiency more than 40% by Conceptualizing and developing a Novel Data to Model Converter Tool (D2M) for seamless generation of Models from AUTOSAR Interface Information
- Defined and Developed the Different States and its Reporting Mechanism to test an Actuator in Vehicle Standstill Condition
- Achieved Multiple Customer Specific SW Customization with Integration of AUTOSAR Functions and Needful Adapter Functionalities for the ECU SW
- Greatly Contributed to the Process Efficiency Measures by Ideating and Developing Multiple Tools like A2L Generator, A2L Extractor And E-Hooks Generator

Automotive Infotronics (Joint Venture between Continental AG & Ashok Leyland), Chennai, India*Graduate Engineer Trainee*2010 Mar - 2011 Feb

- Defined the Algorithm for Various Tire Configurations of TPMS ECU
- Designed the Multiple Screen Layouts and their respective Logical Modules for Intelligent Tire System (ITS) Display
- Verified and Reported the Issues with the Synchronous Communication of BCM and Cluster by performing Black Box Testing
- Developed the SW Functions for performing Power on Self-Test and Illumination of Tell Tale

EDUCATION**Bachelor of Engineering (Electronics and Communication Engineering)****2004 - 2008,***Anna University | Saranathan College of Engineering, Trichy, Tamil Nadu, India*
