

**HiL Validation Engineer** with over 8.5 years of experience in the ECU SW and Model Development, ECU Testing Techniques, Test Automation Development, HiL Testing and Project Coordination. Extensive Knowledge and Experience in Power train over the breadth of SW Development Process.

**AREAS OF EXPERTISE**

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|-------------------------------|--------------------------|------------------------|
| ✓ Real Time Test Automation   | ✓ Mathematical Modeling  | ✓ Technical Expert     |
| ✓ HiL Testing                 | ✓ ECU SW Development     | ✓ Programmer           |
| ✓ Test Automation Development | ✓ ECU Testing Techniques | ✓ Project Coordination |

**EXPERIENCE****Mercedes Benz R & D India, Bangalore ,India****2013 Sep – Present**Onsite Assignments @ **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, Sep–Nov |**PRINCIPAL ENGINEER – LEVEL 6**

- Test Automation Development of Sensor Diagnostic Functions , Aggregate Torque Coordination Functions for Engine ECU
- Test Automation Development of ISO26262 Functional Safety Relevant Tests for Transmission ECU Functions
- Development of T1 GLIWA Automation for obtaining Multi core Controller Timing Measurement and Maximum CPU Load Measurement
- Developed Tool for HiL Plant Model Offline Parameterization
- Domain Know How on two major components of the Power Train – Engine and Transmission
- Leading and Coordinating a Test Automation Team of 10 Engineers in the Technical Front
- Multiple Onsite Assignments for Customer Coordination , International Cooperation, V Cycle Software Validation

**Robert BOSCH Engineering and Business Solutions India, Coimbatore, India****2011 Feb – 2013 Sep****SENIOR SOFTWARE ENGINEER**

- SW Model Development of Engine ECU Functions – Actuator Self Test, Torque Distribution/Reservation during Maximum Load, Idle Speed Control in MATLAB and ASCET
- Developed Multiple Tools – Majorly Data to Model(D2M) – For Conversion of Autosar Interface Data to ASCET Models
- Involved in Integration of Customer Specific AUTOSAR Functions into ECU SW and developed necessary adapters for the interface
- Been Instrumental in Multiple Efficiency Improvements and Developed tools like A2L Extractor,A2L Generator,E-Hooks Generator.

## **Mercedes Benz R & D India**

**• Chennai ,India • 2013 Sep – Present**

Onsite Assignments @ DAIMLER AG, Stuttgart, Germany

**2014:** Mar–Jun, Sep-Dec | **2015:** Mar–Jun, Oct-Dec | **2016:** Oct- Dec | **2017:** Jan-Mar, Oct-Dec  
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- ISTQB- Foundation Level Certified Tester
- Multiple Onsite Assignments for Customer Coordination , International Cooperation, V Cycle Software Validation

## **EDUCATION**

### **Master of Science, Marketing**

FORDHAM UNIVERSITY | Bronx, NY

### **Bachelor of Science, Marketing**

CONCORDIA UNIVERSITY | Ann Arbor, MI

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