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| **Address:** | 319-B, Golden Gate Apartments, Sankara College road, Saravanampatti, CoimbatoreTamil Nadu 641035, INDIA  |
| **Phone:** | +91-8939966849 |
| **Email:** | balajirajan87@gmail.com |
| **Birthdate:** | 13.07.1987 |
| **Nationality:** | INDIAN |

 Balaji Rajagopalan

Proffesional Experience

**Associate Project Manager – Function owner (Active Safety) - Robert Bosch Engineering and Business Solutions – Coimbatore, India** 10/2014 – till date

***Roles and Responsibilities:-***

* Worked as Function owner for L2 Partial Driving functions like : Adaptive Cruise Control, Limiter, Emergency Braking, Hill Descend Control, OnePedal Recuperation and as Component Responsible for Value added functions like Start Stop, Hill Start Assist, Vacuum Management, Rear Axle Steering Co-Existence.
* Handled activities encompassing Planning and Execution which involves Requirement Engineering, Effort Estimation, Design preparation, communicating with various stakeholders / function clusters to get softwares / work packages implemented within agreed timeframe, Implementation, testing and perform reviews as per Forward ASPICE
* Have managed and Technically guided a small team, which includes constant coordination and communication on Project reviews and Project Status Updates.
* Had managed to bring in new functions from Germany to India like OnePedal Recuperation, Rear Axle Steeting Co-Existence, Roll Against Gear.
* Perform and Support release activities like evaluation of Erratas, and Vehicle Test Measurements before important CAT releases.
* Handling Field Issues / Technical Topics / Clarrifications with OEMs and Application Engineers

***Significant Accomplishments:-***

* Designed and developed new functions not available in Mainstream like Roll Against Gear and OnePedal, Rear Axle Steering Co-Existence.
* Have done system level impact analysis of new actuators like Rear Axle Steering using Systems modelling.
* Achieved L2 in ASPICE Audit for Daimler.
* Experience in DRBFM for new functions like Roll Against Gear within ESP.

**Software Engineer – HCL Technologies – Chennai, INDIA.** 06/2011 – 09/2014

**Project: Blood Warmer Proof of Concept (GAMBRO).**

**Roles and Responsibilities:-**

* Gathering Customer Product Requirements (AS) and deriving a strategy for execution of development activities.
* Analyzing important operation requirements (from product requirements) from control system perspective & deriving the software implementation strategy for control systems, and thereby understand the PID Control functionality and its tuning methods to fit into the application of blood warmer.
* Perform system level impact analysis by simulating the entire system including implementation of Transfer function of PID controller, warmer plant model, and thereby finding out optimal set of Kp, Ki and Kd parameters to achieve the desired response (Tools used: MATLAB / Simulink).
* Development of C Code for the Blood Warmer Controller based on the imputs from Simulation.

**Project: BAXTER Infusion Pump Unit Testing.**

**Roles and Responsibilities:-**

* Derived unit level requirements from the system level requirements completed code review against the requirements and updated the source code like removing the dead code and customizing the source code for the Infusion pump.
* Analyzed and found the root cause and solutions for the field issues identified (bugs reproduce and bug fixing).
* Prepared and continuously monitored unit test strategy and unit testing progress.
* Executed test suits and formal sign-off of the reports to FDA for 510K approval.

Education

**Masters in Bio-Medical Engineering, SRM University** 2009 – 2011

* CGPA: 7.2
* Thesis work: Drowsiness detection of a Driver using EEG Signal Processing using LabVIEW.

**Bachelors in Bio-Medical Engineering, RWTH Aachen** 2005 – 2009

* CGPA: 6.5
* Thesis Work: Human – Machine Interface using LabVIEW.

Software Skills

* Embedded C.
* MATLAB.
* Model based design and Development.
* Machine Learning.

TOOLS SKILLS:

* ETAS ASCET.
* TCM (Configuration Management)
* IBM Doors
* Application Lifecycle Management
* HP Quality Centre.
* ECLIPSE IDEs.

Languages Known

* Deutsch – A2
* English

Certifications

* Machine Learning
* Aerial Robotics
* Certified LabVIEW Associate Developer (CLAD)

I hereby declare that the above mentioned information is true and accurate to the best of my knowledge

Location: COIMBATORE, INDIA Full name: BALAJI RAJAGOPALAN

Date: