S S V SUBBA RAYUDU UPPU (Featured

Senior Software Engineer seeking assignment in Automotive Software Development.Proficiency in AUTOSAR,Active Safety Systems,Requirement Engineering,Enterprise Architecture,Model Based Development, Configuration Management,Software and System testing.



Current Designation: Senior Software Engineer. Total Experience: 4 Year(s) 4 Month(s)

Current Company: Bosch Limited Notice Period: Currently Serving Notice Period

Current Location: Bengaluru / Bangalore Highest Degree: M.Tech [communication Engineering]

Pref. Location: Bengaluru / Bangalore, Vijayawada, Hyderabad Functional Area: IT Software - Application Programming /

Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: Software Application Development, Active Safety Systems, C, C++, IBM Clear Quest, HP ALM, Software

Configuration Management, Requirement Engineering, Model Based Development, AUTOSAR, Enterprise

Architecture, Software testing, System testing

Verified: Phone Number | Email - id

Last Active: 20-Jan-21 Last Modified: 20-Jan-21

Summary

4+ years of working experience in Robert Bosch Engineering and Business Solutions (RBEI), Bangalore. Currently working as Senior Software Engineer.

9 months of working experience as Project Trainee, Robert Bosch Engineering and Business Solutions (RBEI), Bangalore. Works on Application Software Development for safety and comfort features of a vehicle.

Good knowledge on Diagnostics and Network Communications , NVM Concepts , Handling Third-party components (Memory Allocation , Integrating library and tuned parameters)

Have good knowledge on R-D-C-T based V Model, working in AGILE and Automotive SPICE. Onsite to Germany for the duration of 5 months to develop a new feature and test in the vehicle

Work Experience

Bosch Limited as Senior Software Engineer.

Jul 2016 to Till Date

PROJECTS

#2 Software Development for Automotive Active Safety Systems

(July 2017 to Present)

Project deals with Standard ICE and HEV, PHEV and BEV with Axle-split Standard vehicles for Braking Systems Technology Stack: IBM Rational DOORS, Enterprise Architect, HP-ALM, ASCET, SharCC, TCM, TestIDE, HP-Quality Centre, ETAS-HiL

Roles and Responsibilities

Working as Function Responsible for Safety/comfort features and Component Responsible for Comfort features of a passenger vehicle

Interacts with customer and gets complete clarification on requirements received and the agree upon timelines to integrate and deliver the implementation.

Performs Requirement Engineering and breaks down the requirements to System (Vehicle) and Software (component and functional) level.

Functional Design to the requirements received and assign the implementation and testing tasks to the component responsible

Software Architectural Design shall be modelled for the broken down software requirements

Analyses and provides SW requirements to the Network component responsible to implement the required signals received on CAN and FlexRay.

1/22/2021

Analyses and provides System and Function/Feature shutdown strategies to diagnostics component responsibles Good knowledge on NVM concepts for shut-down write and start-up read of Eeprom.

Works on Safety Analysis in parallel with safety engineers and make sure that all the safety requirements defined are satisfied and covered as part of implementation

Performs FMEA - Failure Modes and Effect Analysis to know the impact on the system caused when erroneous data received or any hardware failures occur.

Validates Vehicle Traces of the feature driven by application automotive engineers and checks if the feature working as expected in a whole system

#1 Automatic Emergency Braking and Variant Handling for the Active Safety Systems (July 2016 - June 2017) Project deals with Standard ICE and HEV, PHEV and BEV with Twin-Axle vehicles for Braking Systems Technology Stack: IBM ClearQuest, ASCET, SharCC, TCM, IBM-RTRT ETAS-HiL

Roles and Responsibilities

Worked as Component Responsible for Automatic Emergency Braking features

Implemented the requirements received using C - programing and ASCET modelling

Performed Unit Testing and Component Testing for the implemented requirements.

Performed HiL testing using the developed models and checks if all the software requirements are implemented and working as per requirements written.

Variant handling and creation of XML files which are used to create different CAL blocks for the same vehicle

Education

UG: B.Tech/B.E. (Electronics and Computer Engineering) from K L University, Vijayawada, in 2010

PG: M.Tech (communication Engineering) from VIT University, Chennai, in 2016

IT Skills

Skill Name	Version Last Used Experience
C, C++.	
Active Safety Systems	
IBM Rational DOORS,	
IBM Clear Quest (CSCRM),	
HP Quality Center, ALM,	
Enterprise Architect, ASCET, SharCC,	
TCM, Uniview, Canoe.	

Languages Known

Language	Proficiency	Read	Write	Speak
Telugu	Expert			
English	Proficient			
Hindi	Beginner			
Kannada	Beginner			

Affirmative Action

Work Authorization

Category: General

Physically Challenged: No

Job Type: Permanent

Employment Status: Full time