B.N V S SAIRAM
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SUMMARY

- 5.6 years of programming experience as an Embedded Domine.
- Involved in all phases of the Embedded systems (both software and hardware) and maintenance with timely delivery against aggressive deadlines.
- Experience in working on write a Unit Testcases and working on Unit Reference Testing using TPT (Time partition testing).
- Experience in working on BC Integration, PVER SW Build concepts.
- Experience in working on Design and Integration and Basic Testing, SWA report generation and Assessment, Code coverage report generating using TPT, Document Generation and update.
- Performed Auto code generating using embedded coder/Simulink.
- Excellent communication, interpersonal, analytical skills and strong ability to perform as part of a team.

EDUCATION QUALIFICATIONS

- Bachelor of Technology in 2018.
  Bachelor of Technology in Electronics and Communication Engineering

Work Experience

I am currently working as an Embedded Software Engineer in Larsen & Toubro Technologies and Services LTD deputed to Robert Bosch.

TECHNICAL SKILLS

Languages	C & Embedded C
Microcontrollers	S32K146, LPC1313& LPC1768
Operating Systems	Windows
IDE Tools	Keil-c, S32K Design Studio
Protocols	SPI, UART & CAN (Basics)
Tools	ASCET (Design)
	TPT (Testing)
	IBM DOORS (Requirement writing)

PROFESSIONAL EXPERIENCE

Project 3: Power Train (November 2022 - Current)
Role: **Senior Embedded Software Developer**
Description: This project is about the Automotive Engine Torque Structure and the Engine Combustion, Integration of different functions in the software and some basic testing.

Responsibility:
- Requirement analysis from system requirement specifications document.
- Tagging requirement 1 & requirement 2 to their corresponding subsystems
- Writing unit test case to verify each functionality.
- Architecture designing and Code Generation in ASCET.
- Writing test cases in TPT to check the model functionality through MIL.
- BC Components development and integration, SWA report generation, SWA assessment and making some basic testing (UT, URT).

Project 2: Power Train, GM (September 2021 - October 2022)
Role: Embedded Software Developer
Description: This project is about the Automotive Combustion in automobile engine, Integration of different functions in the software and making some basic testing.

Responsibility:
- Involved in development the code for automation of different testing.
- BC integration, SWA report generation, SWA assessment.

Project 1: Smart light (August 2018 -August 2021)
Role: Embedded Software Developer
Description: The main intention of this project is to adjust the headlights of a vehicle automatically based on acceleration and angular velocity. I have developedSPI for communication between sensors and controller and this task will come under the communication layer.

Responsibility: Developed the SPI communication between MEMS to ECU.
- Involved in various team discussions.

DECLARATION

I hereby declare that the above information is true to the best of my knowledge.

Place:

Date: (Sai Ram Battu)