Name : Bhushan Shrikant Telkikar
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LinkedIn : https://www.linkedin.com/in/telbhu/
Address : Bangalore, 560067.
Nationality : Indian

Objective:

- To associate with an organization where there is ample scope for organizational as well as individual growth.
- Seeking the position to utilize my skills and abilities in Embedded Systems focused on safety-critical applications for the Automotive Industry.

Profile Summary:

- Overall ~8 years of experience as a **Senior Software Engineer** in the automotive domain with an **ISTQB Foundation Level Certification**.
- Currently working with Aptiv Components India Pvt. Ltd. as a Senior Software Engineer.
- Experience in SW and Sys testing **ADAS system Hardware-In-Loop (HIL) Testing, ADAS Verification & Validation (VnV), Requirement Analysis**, **ECU Diagnostic Testing,** and **SW Integration Testing**.
- Integration and Debugging of ADAS System with RADAR, Camera sensor.
- Hands-on experience with **dSpace** tools such as **Control Desk**, **Automation Desk, Configuration Desk, SCALEXIO**.
- Development of Vehicle Dynamics simulation modeling with **MATLAB, Simulink, RTICANmm**.
- Scenario creation in **IPG CarMaker**.
- Experience with Diagnostics testing tools **CANoe, CANalyser**.
- Hands-on experience with vehicle communication protocols like **CAN**, **UDS (ISO-14229), LIN, XCP** & **Ethernet**.
- Experience in **Test Framework** and **Tools Development** with **CAPL**, **Python** and **CLI** to automate.
- Proficient in the basics of ASPICE, **FUSA (ISO 26262) (Technical Safety Requirements)**, V-Model.
- Experience using Application Lifecycle Management tools like PTC Integrity, IBM rational DOORS, JIRA, CodeBeamer, Polarion.
- Efficient with tools such as Arduino, sensors and actuators, oscilloscope, digital multimeter, and function generator.

Experience:

Company : ***Aptiv Components India Pvt. Ltd.*** *Bengaluru, Karnataka.*
Designation : ***Senior Software Engineer, June 2021 – Present***

- **Project 1: ADAS/ AD L2/L2+ Features HIL Testing.**

  - The project scope is to verify the ADAS L2 Features & functionality validation on hardware in the loop system. Bench setup includes IPG Carmaker, Configuration desk, control desk, automation desk and CANoe, MATLAB.

  Responsibilities:
  - Vehicle Requirement's analysis and coordination with stakeholders.
  - Development of Scenario creation, Test case, and Python Scripting Automation desk.
  - Development of Vehicle Dynamics and RADAR simulation in MATLAB and RTICANmm.
  - SW Checkout and Full test Execution for SW Release.
  - Feature **Debugging** using Lauterbatch, Bug Reporting, and **Triage**.
  - Experience in **CI-CT framework & Tools Development** for automating the manual process.
  - Scrum Master for a Team of 6 Engineers.

  - **Front Feature**:
    - AEB - Automatic Emergency Braking/ Forward Collision Warning
    - ACC - Adaptive Cruise Control.
    - TSI - Traffic Sign Information

  - **Side Object Features**:
    - BLIS - Blind Spot Information System
    - LTA - LCWA Rear Threat Assessment, LCWA – Lane Change Warning Aid.

- **Parking Features**:
  - CTA - Cross Traffic Alert
  - RCTB - Rear Cross Traffic Braking
  - BA - Boundary Alert
  - CEA - Clear Exit Assist

Company : ***Veoneer India Pvt. Ltd.*** *Bengaluru, Karnataka.*
Designation : ***Senior Software Engineer, Jan 2018 – June 2021***

- **Project 1: ADAS Stereo Vision Camera SVS350 MCU Verification & Validation**
  - The project scope is to perform verification & validation of ADAS stereo vision camera. The main focus was on software validation of **MCU framework**.
  - **Module:**
    - Diagnostic (ISO-14229) Testing
    - Reprogramming of ECU
    - FailSafe
    - CAN communication
    - Cyber Security - MAC & Key Management
  - Part of CAPL framework Development activity.

- **Project 2: Functional Safety for 77GHz Wide Band RADAR Platform (Technical Safety requirements)**
  - The project scope is to analyze the Technical safety requirement identify enough fault scenarios are considered for each functionality and validate whether safety-critical measures are handled properly or not in RADAR platform software.

- **Project 3: Fault injection, Qualification, and Reaction time Integration testing for RADAR Application.**
  - The project scope is to inject the fault and check the reaction time of the logged **DTC** (Diagnostic Trouble Codes) and validate the Crash data stored in it.

Education:

B.E | 2014 – 2017 | Savitribai Phule Pune University, Maharashtra, in Electronics and Telecommunication|**72%**.
Technical Diploma | 2011 – 2014 | Maharashtra State Board of Technical Education, Maharashtra|**84%**.
Class 10 | 2010 | Gujrati High School, Nanded, Maharashtra | **84%**.
Certifications | ISTQB Foundation Level | MATLAB | Simulink

Skills and Abilities:

OS : Microsoft Windows, Linux Ubuntu
Programming Languages : C, CAPL, Python, MATLAB

Certification and Achievements:

- Foundation level Certification in **ISTQB** (International Software Testing Qualifications Board).
- Certification in **MATLAB** language and **Simulink**.
- Certificate for the participation of the ABU Robocon's (Asia-Pacific Robot Contest) in robot development.

Personal Information:

Name : Bhushan Shrikant Telkikar
Date of Birth : 19-Nov-1995
Present Location : Bengaluru
Languages known : English, Hindi, Marathi.
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DECLARATION

I hereby confirm that the information provided is true to my knowledge.

Place: Bengaluru
Date: 31/12/2024 **(Bhushan Telkikar).**