Abdul Haade.A   **Mobile: +91-8217250549**
                                     Email : haadi250292@gmail.com

CAREER OBJECTIVE

Seeking a challenging position in the field of Embedded Systems, where there is an opportunity to share, contribute and upgrade my knowledge for the development of organization and self.

SPECIALTIES:

- Embedded design in C and C++, Software Unit Testing, Software Integration Testing, Dynamic Testing (DOORS), DO-178B, Functional testing, Structural testing and Regression testing. Requirement Based Testing, Design Based Testing, Code Based Testing and Model based Testing. Manual Testing (Component/Module/Unit)

WORKEXPERIENCE(Totalyearofexp4.1)

1. **Capgemini Engineering:**

Client: Robert Bosch
Position: Embedded Software Testing Engineer
Project: Audi Project
Duration: Nov 2021 to March 2023

2. **The Printers (Mysore) pvt ltd:**

Position: IT executive in Software Testing
Project: Multiple projects
Duration: April 2019 to Nov 2021

TECHNICAL SKILLS

- Strong programming skills in **C and C++.**
- Modified existing software to correct errors upgrades interfaces and improve performance.
- Expertise in Rational Requirements and documentation tools (DOORS) and Configuration management tools (MKS).
- Sound knowledge in Dynamic testing tools like **GOOGLE TEST** QA systems

- Sound knowledge on **DO-178B** guidelines**.**

- Sound knowledge in **Software Unit Testing**, **Software Integration Testing**.

- Ample knowledge on **SDLC** (**Software Development Life Cycle**). Exposed to **full phase of SDLC (V model).**

- Test planning, Test Strategy for the Verification and Validation development life cycle.

- Involved in **Testing, Analysis** and **Code Review**.

- Skilled in Performing **White Box Testing &** have knowledge in **Black Box Testing.**

- Expertise in **MC/DC** (**Modified Condition /Decision Coverage**).

- Involved in **Functional testing**, **Structural testing** and **Regression testing.**

- Involved in **Requirement Based Testing, Design Based Testing, Code Based Testing and Model based Testing**.

- Experienced in Tools like **RTRT, Code Wright, ATGS.**

- Performed **Automation Testing (Software Low Level Testing** and **Software Integration Testing)** using **Automation Tools RTRT, Version 2003** as well as **2007.**

- Involved in performing **Structural Code Coverage analysis** and **Requirement coverage analysis** using **IBM Rational Test Real Time**.

- Involved in **TIR (Technical Issue Report), PR (Problem Report)** and **CR** (**Change Request**)**.**

- Based on **Change Request**, fixing the defects in code. Involved in **Peer Review.**

- Performed **Manual Testing (Component/Module/Unit).** Experience on **Code Review**.

- Good knowledge in **MISRA-C** and skills in checking the violation of **MISRA-C** coding standard.

- Involved in **Reporting** &**Documentation**. Basic knowledge of **CAN protocol**.

- Provide **training** and **some direction in Technical/process** to new joiners as needed.
- **Good communication** and **interpersonal skills with proven abilities in resolving complex System/Software issues.**

SOFTWARE SKILLS

Programming Languages	**C, C++, Assembly**
Controllers	**8051**
Chip used	**AT89C51**
Operating Systems	**Windows, Linux, UBUNTU**
Tools	**RTRT, ATGS, CodeWright,Visual Studio TEST, ADA, Doors, JIRA.**
SCM (Configuration Management Tool)	**IBM Rational ClearCase ,Doors, RQM(Advance version of Doors), Bit Bucket**
Communication Protocols	**CAN SPI I2C**

PROJECT PROFILE

Project #1:

Client: **Robert Bosch Engineering and Solutions Pvt Ltd.**
Project Title: Module testing for the Driver Assistance project
Tools used: GOOGLE TEST, JIRA, BITBUCKET, GIT, DOORS, RQM, etc. OEM's
worked: FIAT, CHINA OEM's, EU OEM's
Duration: Nov 2021 to March 2023
Team Size: 30
Role: Embedded Software Testing Engineer.

Description: Advanced driver-assistance systems, or **ADAS**, are systems to help the driver in the driving process. Advanced driver-assistance systems are systems developed to automate, adapt and enhance vehicle systems for safety and better driving. Adaptive features may automate lighting; provide adaptive cruise control and collision avoidance etc. ACC is an optional cruise control system for road vehicles that automatically adjusts the vehicle speed to maintain a safe distance from vehicles ahead.

Responsibilities:

- As a Embedded Software Testing Engineer for the Altran team in client place, able to deliver the tasks on time and Identify the bugs and solving errors in Google tests.
- Understanding the project requirements and project overview.
- Testing the range of variables, developing the possibilities of test cases, overflow, underflow and rollover of variable using GOOGLE TEST.
- Identifying Numerical defects, Programming defects, Data-flow defects, Static memory defects, Dynamic memory defects and performing code coverage analysis.
- Able to write the Test cases, Defect logging and tracking and as per the testing guidelines.
- Knowledge on C, C++ programming languages, and also on ASIL, MISRA standards.
- Review work products from other team members, Mentoring juniors in team
- Structural Coverage Analysis (C0, C1, MC/DC)
- Peer Review and implementation of comments.
- Performing Regression testing for the complete model before the release.

Project #2:

Title   : Remote sensor

Electronics Duration: 2020-2021

Tools used: SVN and Microsoft Visual C# 2010,

RTRT Software Level: Level B as per DO-78b

Role: Team Member.

Responsibilities:

- Actively involved in testing the RSE-10 software applications as part of Requirement based testing for Level B software.
- Fixing the code SCR's which are identified as part of testing. Successfully participated in the Teamwork.
- Creating SUP (Software Unit Test Plan).
- Configuring the RTRT setting to build the source code.
- Creating Test scripts as per the Test plan for unit testing based on DO178B.
- Developing the Test cases to test each and every function.
- Setting of MC/DC conditions and execution of test cases using RTRT.
- Functionality testing and structural testing.
- Performing Requirement Coverage Analysis.
- Involved in Raising TIR (Technical Issue Report).
- Involved in Raising change request.
- Involved in Peer Review.
- Based on Problem report fixing the defects.
- Generating SUTR (Software Unit Test Result).

Project #3:

Steering System (2019 – 2020)

Steering system is used to control the direction of a vehicle's motion. The system contains a hydraulic booster, which operates when the engine is running and supplies most of the necessary force when the driver turns the wheel.

Responsibilities:

- Analyzing the Requirements.
- Performing compliance on MISRA-C standard.
- Code review based on coding standards.
- Creating SUP (Software Unit Test Plan).
- Configuring the RTRT setting to build the source code.
- Execution of test cases using RTRT.
- Developing the test cases to test each and every function using ATGS tool.
- Functional, Structural and Regression Testing.
- Setting of MC/DC conditions and execution of test cases using RTRT.
- Performing Requirement Based Analysis, Structural Code Coverage Analysis.

- Detecting and Reporting defects.

- Generate Test results and Test summery report.

- Problem Reporting, Technical Issue Report, Change Report and Version Control.

- Involved in Peer Review.

- Generating SUTR (Software Unit Test Result).

EDUCATIONAL QUALIFICAITON

- **B.E** In **Electronics and Communications Engineering** Vijaya Vittala Institute of Technology Bangalore **in the Year 2015.**
- **12th** in Stracey Memorial Composite-PU College **in the Year 2010**.
- **10th** In BMS **in the Year 2008.**

PERSONAL DETAILS

Father's Name: Arif Ahmed
Gender: Male.
Nationality: Indian
Marital Status: Unmarried
Languages Known: English, Hindi
Hobbies: Singing, listening to country music, playing guitar, Reading News Paper.
Passport No :   T1020588
Permanent Address: No.67, opposite 14b cross Sheshadri road, Marappa garden Benson town post Bangalore 560046.

I hereby declare that the above statements are true and complete to the best of my knowledge and belief.

PLACE: Bangalore   SIGNATURE

                                                        Abdul Haade A