Abdul Khadeer

Mail Id: [abdulkhadeer176@gmail.com](mailto:abdulkhadeer176@gmail.com) Mobile: **+91-8553178815**.

## Career Objective:

Intend to build a career with leading corporate that gives me an opportunity to work in a Challenging environment that encourages continuous learning and exposure to new ideas by stimulating personal and professional growth.

## Work Experience:

* Having **6+** years of experience in **Testing and Development.**
* Currently Working in **Bosch Global Software Technologies** from Sep 2022.
* Worked as Software Engineer for **Cyient** deputed at **ZF** from Mar 2022 to Sep 2022
* Worked as Software Engineer for **Capgemini** from Mar 2020 to Feb 2022.
* Worked as Software Engineer for **Klaus IT Solutions** deputed at **Bosch** from May 2018 to Jan 2020

## Profile Summary:

* + Experienced in **SW Testing and Development** for **Infotainment, ADAS**.
  + Good Programming Skills in **C, C++**.
  + Experienced in **Requirement Analysis, Implementation and Testing.**
  + Good understanding of **Software Development Life Cycle (SDLC) w.r.t V-model.**
  + Good Knowledge on **Functional Safety (ISO-26262)**, **MISRA C.**
  + Automation Tools used like **Vtest Studio**, **Google Test (GTest), CANTATA, TPT, Target Link,** and **MATLAB**
  + Proficiency in using tools like **GIT, Bitbucket, PTC, JIRA, Flux, SPLUNK, MKS, MS Visual Studio, Visual Studio Code, Canoe, RQM and IBM Rational Doors.**
  + Good knowledge in In-car vehicle networking protocols like **CAN.**
  + Expertise in performing **Unit and Integration** Testing.
  + Expertise in **Testing**, **Review**, and **Analysis**.
  + Experience in **Verification and Validation** (IV&V).
  + Expertise in **MC/DC** (**Modified Condition /Decision Coverage**).
  + Skilled in performing **White Box and Black Box** Testing.
  + Skilled in **Dynamic Testing** and **Static Testing.**
  + Expertise in performing **Test Case Design**, **Development**, **Execution**, **Defect Report** &

**Validation**.

* + Involved in performing **Technical check/ Peer Review**.
  + Good **communication and Interpersonal skills, ability to learn newtechnologies.**

## Skill Set:

|  |  |
| --- | --- |
| **Programming Languages** | C, C++ |
| **Testing Tools** | GoogleTest, Cantata, Vtest Studio, Canoe, IBM Rational Test Real Time (RTRT). |
| **Scripting Languages** | Python |
| **Testing Techniques** | Black Box and White Box |
| **Tools** | QFIL**,** Visual Studio Code, Flux, RQM, JIRA, SPLUNK, Beyond Compare, Notepad++, Source Insight, CodeWright, Helix QAC, Gdb, Trace32, Lauterbach. |
| **Microcontrollers** | 8051, SXM8 |
| **Configuration Management Tools** | Gerrit**,** Bitbucket, Git, IBM DOORS, MKS |
| **Operating Systems** | Windows, Linux |
| **Communication Protocols** | CAN |

***Education Details:***

* Completed Bachelor of Engineering from Visvesvaraya Technological University (VTU).
* Completed Pre-University Course from Shanthiniketan Pre-University College.
* Completed Secondary Education from Tagore English High School

***Career Profile:***

# Project #1:

**Project Title : Nissan CCS2 (Android based IVI)**

**Feature :** Security, FOTA

**Environment :** C++, C, MS Visual Studio, Test Bench

**Tools :** Google Test, Canoe, GIT, Gerrit, QFIL

**SDLC :** V-Model with agile methodology

**Duration :** Sep 2022 to till date.

# Project Description:

CCS2 (connecting car services) is android based project. Customer will give the requirement for both hardware and software; we (Bosch) must prepare the hardware and fulfill the software requirement on the hardware. Ultimately final goal of the project is to prepare the car infotainment unit which can be added in a car.

# Responsibilities:

* + Analyzing the Security **Requirement**
  + Development of code based on requirements.
  + Flashing Image file using QFIL into **CCS2 head Unit.**
  + Debugging the logs and error analysis.
  + Fixing **Coverit**y warning
  + Development of Test design and test scripts for **UT/I&T**.
  + Execution of test cases using **GTest.**
  + Capture the defects and report it using **Jira** Tool
  + Requirement coverage analysis, Structural Coverage Analysis
  + Generate Test results and Test summary report.
  + Development of manual Test cases for **Feature Testing**
  + Automating FOTA manual Test cases using **Python Scripting**

# Project #2:

**Project Title : RADAR**

**Environment :** C++, C, MS Visual Studio

**Tools :** Google Test, TPT, Target Link, MATLAB

**SDLC :** V-Model with agile methodology

# Project Description:

A Radar system has a transmitter that emits radio waves called radar signals in predetermined directions. When these come into contact with an object they are usually reflected or scattered in many directions. The radar signals that are reflected back towards the transmitter are the desirable ones that make radar work. If the object is moving either toward or away from the transmitter, there is a slight equivalent change in the frequency of the radio waves, caused by the Doppler Effect.

# Responsibilities:

* Resolving compiler warning and Generating QAC Report.
* Performing **SWRS Review**.
* Development of Test design and test scripts for **UT/I&T**.
* Creating Requirement Based Test Cases as per the test plan.
* Testing models (MIL), Code (SIL).
* Considering Test Strategy and Applicable Test Methods.
* Execution of test cases using **GTest/TPT.**
* Debugging and error analysis.
* Requirement coverage analysis, Structural Coverage Analysis.
* Capture the defects and report it using **Jira** Tool.
* Generate Test results and Test summary report.
* Creating Test Cases in **RQM.**
* Incorporate requirements traceability into the SW Test Specifications.
* Observing Current Status of project in **SPLUNK.**

## Personal Details:

Name : Abdul Khadeer

Father Name : Abdul Rasheed

Date of Birth : 22-08-1992

Languages Known : English, Hindi, and Urdu.

## Declaration:

I hereby declare that the above written particulars are true to the best of my knowledge and belief*.*

Place: Ramanagaram. Abdul Khadeer