**Lakshmana G**

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# Objective

* I would like to be a part of an organization where I could use and enhance my knowledge and talent for the development of both the organization and myself.

# Experience Summary

*  Having 1.9 years of experience in Real time Embedded System
*  Expert knowledge of C, C++ , Embedded C ,TCP/IP,RTOS and Linux .
*  Experience of using software development & testing tools like Visual studio , AutoCAD and MATLAB.
*  Experience in C, C++ and Visual studio.
*  Experienced at validation& verification process for safety and mission critical applications
*  Certified on Embedded system development
*  Good communication and interpersonal skills.
*  Positive attitude towards learning new things and acquiring more knowledge.

# Skills Summary

* **Languages :** C, C++, Embedded C,ARM,RTOS
* **Operating Systems**: Windows, Linux
* **Development Tools**: Visual Studio ,MATLAB
* **Configuration Tool :** Visual Source Safe
* **Others :**IBM Rational Doors, Code Coverage Validator

**Employment History**

* Working as Software engineer at BAeHAL Software Ltd, Bangalore.

# Educational Summary

* B.Tech from JNTU University (2013-2017) – 73%.
* Intermediate From Board of Intermediate Education, AP (2011-2013) -- 84%
* SSC from Board of secondary Education (2010-2011) -- 85%

# Achievements

* Received an award for Outstanding Contribution towards work.
* Enthusiastic at learning new Technical and Interpersonal skills.
* Positive Thinking and qualities of flexibility and adaptability.

# Projects Exposure

**Project1** : **Interlock Safety System** Client: Indian Navy.

Duration: October 2018 – Present

Interlock Safety System On Board ships, is to provide Automatic safe mutual usage of all systems installed on board and protection during on board Aircraft/Helicopter operations.

The scope of work includes The Development of Software &testing using Visual Studio &Code Coverage Validator.

### Roles and Responsibilities:

* Understanding user requirements and system specifications
* Visual studio is used for C++ Code developing and Debugging environment.
* INTIME RTOS used for the Developing Environment.
* Adobe Flash is used for the animation in the project.
* Ethernet & RS422 Communication Protocols for communication.
* Using rational doors to generate the documents for traceability.
* writing test cases & testing using Code Coverage Tool

**Project#2: Enhanced Video and Data Recorder (EVDR) project** Client: ADA ,Bangalore

**Duration:** May 2018 – October 2018

**Testing Tool** : RTRT

* The purpose of EVDR is to record and store in-flight aircraft data. The EVDR is also used for Post Flight Debriefing
* On ground with the help of Ground preparation and Replay system. The EVDR is embedded avionics equipment
* That works in conjunction with integrated avionics architecture. The EVDR receives operational commands .
* OAC over MIL STD 1553B bus. The in-flight data is recorded on a Removable Mass Memory Device (RMMD).
* The scope of work is testing of applications for Pre-Flight Mission Preparation and Post-Flight Data Extraction.
* Analysis and Activities of LCA Tejas Aircraft and Analysis of Post Flight Data.

Contribution:

### Declaration

I hereby solemnly affirm that all the details provided above are true to the best of my knowledge.

### Date:

**Place: Bangalore Lakshmana G**