|  |  |
| --- | --- |
| Resource Name | Lajul Soni |
| Experience | 1 Year |
| Current Location | Hyderabad |
| Preferred Location | Hyderabad |
| Availability | immediately |
| Last updated Date | 04-09-2019 |
| Profile Highlights | Multimedia: Set Top Box-Audio gate way, wave file mixing,  Linux OS Internal,GIT. |

**Career Objective**

**:**

To obtain a better opportunity in software field, where i can develop new ideas and technologies that are helpful for company & my career growth.

**Professional Summary:**

* 11+ Months experienceas **Embedded Software Engineer.**
* Hands on experience in **C** **programming**  and **Linux.**
* Good Knowledge on **Data structures.**
* Good Knowledge on using the Configuration Management tools like **GIT.**
* Hands on experience in **Kernel cross compiling.**
* Hands on experience in **Board Bring-up** for target embedded devices.
* Built **Qualcomm-MSM8909** source code and flashed it on **LYF mobile**

using **QFLASH** tool.

* Good knowledge and experience of **Linux** **OS** and **Windows Platforms.s**

**Professional Experience:**

* Working as a Software engineer at Votary Techfrom 10 September 2018 to till date.

Technical Skills:

• Domain: Embedded System

|  |  |
| --- | --- |
| Programming Languages | : C language, System Programming,  Data Structure, Basics of CPP & Python, |
| Operating System | : Windows, Linux |
| Protocols | : UDP, TCP/IP |
| Tools | : Gcc, QXDM, QPST |
| Debugging Tool | : GDB (GNU Debugger). |
| Version control Tool | : GIT |

**Educational Qualifications:**

B-Tech | ECE | 2012-2016 | 75.4 %

BTIRT Engineering College, Sagar(m.p)

Intermediate (+2) | PCM | 2012 | 84.4%

Secondary School Certificate (SSC, X) | 2010 | 87.6%

**Projects Summary:**

**Project #1 : SET TOP BOX - AUDIO GATEWAY**.

**Company :** Votary Tech**.**

**Programming Language :** C Language.

**Tool** : GCC - GNU.

**Responsibilities:**

* Establishing the connection between Client-Server by using UDP Protocol.
* Data transfer from one client to another client by using shared memory.
* Mixing Two wave files with the same sample rate.
* Unit test cases preparation and execution.

**Description :** There are n number of users on the audio conference call. Each active user is sending audio packets to a centralized Wi-Fi based Hub . Hub is receiving all the packets and sends to each user all the packets except for its own packet . Basically audio conferencing objective should be met with hub doing everything and sending one combined packet to each user in real time.

**Project #2: IMPLEMENTING A DRIVER FOR DHT11 SENSOR AND FILE-SYSTEM.**

**Company :** Votary Tech

**Tools** :Gdb,Git, Ctags.

**Tool chain** :Arm – Linux - gcc Tool Chain.

**Roles and Responsibilities :**

* kernel building for raspberry pi.
* Analyzing the logs.
* Resolving the kernel oops with Gdb tool.

**Description:** DHT11 sensor measures the temperature and humidity,It mainly used in domestic and industrial purposes. Driver code here is getting a data transfer to user mode.

File system is used to arranging the files in a particular order in a disk. Each file system follows different data structure. I had done with conversion of file system by using source code.

* Completed Embedded systems certification from **Vector India**.

**Project #3: Sophisticated Sign Board Power Saving System.**

**Role** : Software Development.

**Technical Details** : Embedded C and AT89S52 controller.

**Description :**This Project is designed for power saving achieved by scheduling the device on-off timings properly, which is done by micro-controller. First monthly calendar database is designed by making use of keypad and RTC and after that device on-off timings will be scheduled and saved in EEPROM using I2C protocol.

**Personal Details**

Name : Lajul Soni

Father’s Name : Bhagirath Prasad Soni

Date of birth : 11-12-1993

Sex : Male

Marital status : Unmarried

Nationality : Indian

Languages Known :Hindi , English .

Hobbies : workout, Listening to music.

**Declaration:**

I here by declare that the above information is true to the best of my knowledge and belief.

Place :

Date : ( LAJUL SONI )