**DHOKI VIJAY KUMAR**

**Email Id:** vijay.dhoki2013@gmail.com **Contact No.: +919704378360**

**Career objective:**

Flexible and Enthusiastic on my work, willing to learn new technologies, Ability to work in different work environment and provide data driven solutions.

**Technical skills :**

* Hands on experience in **C Programming**.
* Knowledge on C++, Embedded C.
* Data Structures.
* Knowledge in **Python.**
* Hands on experience in System Programming.
* Knowledge on **Device Drivers** on char drivers.
* Hands on experience in **Kernel cross compiling.**
* Hands on experience in **Board Bring** up for target embedded devices.
* Hands on experience in **Bash**.
* Knowledge on ARM cortex-A8, Microcontrollers 8051, Atmega328 .
* Hands on experience with Arduino, ESP8266/NODMCU, Raspberry pi,

Beagle Bone Black.

* Familiar with Arduino Ide, keil.
* Experience on protocols like UART, SPI, TCP/IP.
* Hardware design and development knowledge on Internet of things (IOT).
* Technical tools are Ctags, Cscopes, Gdb, Make, Git.
* Experince with GCC( GNU ), arm335x-linux- compilers.
* Worked on **Qualcomm Build Flashing Tools** like QFLASH.
* Worked on **Qualcomm-MSM8909**  soc board bring up activity

and BSP Integration.

**Experience at Votarysofttech Pvt.ltd. (**from jan-2019 to till now**).**

**PROJECTS #1:**

**Project Title : MSM8909**

**Tools :** QFLASH, QFIL.

**Hardware :** LF403N , F30C.

**Roles and Responsibilities** :

* Initial log analysis.
* Support for bug fixing to internal team for client projects.
* Maintenance and testing of source code, Flashing the image file.

**PROJECTS #2:**

**Project Title : Implementing a driver for DHT11 sensor.**

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

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

**Roles and Responsibilities** :

* Kernel building for target board.
* Analysing the logs.
* Resolving the kernel oops.

**Description :** DHT11 sensor measures the temperature and humidity, it mainly used in domestic and industrial purposes. Driver code here is getting a data, transfering to user mode. This was implemented by **Linux Kernel** on Beagle Bone Black which follows the Arm cortex -A8.

**Experience at Unipoint IT Solutions (**from OCT 2017 to NOV 2018**)**

**Project Details:**

**1. Home Automation.**

Platform : Arduino Uno,NODEMCU.

OS : WINDOWS 10.

Role : Software Developer.

Language : Embedded C

**Responsibilities** : Developing an embedded c code, Trasmission of data between the module and board, Hardware implementation.

**Description :** Home automation is building automation for a home, called a smart home or smart house. A home automation system will control lighting, climate, entertainment systems, and appliances.

**Education:**

* B.Tech from St.Peter's Engineering College (SPEC), Hyderabad affiliated to JNTU-H with 63.18 % in 2017.

**Training and Certificates:**

Trained from Tech Veda underDomain of Device Drivers.

* Writing a module and drivers.
* Board bring up for target embedded devices.

**Personal details:**

**Father’s Name :**  D.Mondaiah.

**Date of Birth :** 17-July-1994**.**

**Sex :** Male.

**Languages Known :**  Telugu, Hindi, English.

**Address :**  9-2-77/18/1/A, Anjaiah Nagar, Old Bowenpally.

Hyderabad, 500009.

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**DECLARATION:**

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

Place :

Date : ( DHOKI VIJAY KUMAR )