#### **RESUME**

#### **PUJALA.ASHOK SIVA KUMAR**

S/O P.Srinivasa Rao

H.No.B-1410,

Near Nagarjuna School Play Ground,

Ngo Colony, Vanasthalipuram

Hyderabad, Telangana. Phone No.: **9032624460**

500070. E-mail Id : **pujalaashoksivakumar@gmail.com**

#### 

#### **OBJECTIVE**

#### To be a part of a progressive organization which provides me an opportunity for my career development that helps me to gain advanced and efficient knowledge regarding my growth in the Organization for to be an expert in the programming aspect.

**STRENGTHS**

* 1+ year of Experience in Embedded Systems and Linux Programming as Software Engineer.
* Experience in C Programming.
* Hands on Experience in IoTivity-1.2.1.
* Expertise in Debugging Tools GDB, Strace, and Valgrind.
* Experience in debugging Techniques gdb, strace, valgrind
* Worked on Source Code version Control Tool (GIT)
* Experience in Linux System Programming
* Experience in Communication protocols like I2C, SPI, and UART
* Proficient in C programming and Python
* Knowledge on Shell Scripting
* Knowledge on FreeRTOS
* Good Communication and Interpersonal skills.

**Technical Skills**

Programming Languages  **:**  C Language, C++ andPython

Operating Systems : Linux.

Debugging Techniques : Gdb, Strace and Valgrind.

Tools : GCC toolchain, ARM cross compiler, GATT, HCI and Scons

Bus Architecture: Knowledge on I2c, SPI

Scripting Languages: Python, Shell

## **EDUCATIONAL PROFILE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course** | **Institution** | **Board /**  **University** | **Year of**  **Completion** | **Aggregate**  **(%)** |
| Embedded Systems | Vector Institute,  Hyderabad | ISO 9001:2015 certified Institute | March,2015 -Nov,2015 | **-** |
| M.Tech  (DECS) | Rise Gandhi Group Of Institutions,Ongole | **JNTU Kakinada** | Dec,2012 - Dec,2014 | 72.74 |
| B.Tech  (E.C.E) | SVVSN Engineering College,  S.N.Padu, Ongole | Acharya  Nagarjuna University | 2008-2012 | **83.93** |
| Intermediate (M.P.C) | Uma Maheswara Junior College,  Ongole | Board of Intermediate Education | 2006-2008 | **92** |
| SSC | Modern Public School,  Thimmasamudram | Board of Secondary  Education | 2006 | 79.16 |

#### 

**EXPERIENCE DETAILS:**

Working as a **Software Engineer** at **Votary Softech Solutions Pvt. Ltd** from August 2016 to till date.

**PROJECT DETAILS:**

**Project 1 :** VITA Device Mangement.

**Description:**  VITA Device Management architecture mainly consists of Detection Management stack, Connection Management and Data Resource Management stacks that enables detecting and querying of resources available in the environment IP-based and BLE-based technologies and storing the data in the cloud.

**Roles & Responsibilities:**

**1.** Written around 400 lines of code for developing the API’s in "C" under Linux for Raspberry PI target board

**2.** Developed customised layer over BLE stack to communicate with Peer Devices

3. Developed APIs for client device viz., initialize, discovery, get, put, observe and delete

**Project 2 :** Votary-Tech IoT Platform-Build Alert System

**Description:**  Project Monitors e-mails

**Roles & Responsibilities:**

**1.** Written around 200 lines of application using Python under Linux for Raspberry PI target board