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## Career Objective

To succeed in a challenging position in software development, designing, and methodology, where my capabilities can be explored for the growth of the company and provides scope for my career growth.

## Professional Synopsis

- Experience in programming languages C/Embedded C and C++.
- Exposure to QT frame work development.
- GUI designing & development using QT creator IDE.
- Highly skilled in handling Object Oriented Programming(OOP'S).
- knowledge in different Micro controllers and processors (8/16/32 bit).
- Capable of working with different software tools like I2C, UART and TCP/ IP.
- Good understanding of Database verification and validation using SQLite.
- Hands on Linux (Ubuntu) environment.
- Familiar with Socket Programming.
- Aware of Agile methodology process and good knowledge of software life cycle.
- Participates in project planning sessions with team members to analyze development requirements

## Technical Skills

- **Programming Language:** C, C++ & Embedded C.
- **Platform:** Linux (UBUNTU) / Windows.
- **Environment Tools:** Keil, Proteus, Qt Creator
- **Processor:** ARM Cortex-A Processor.
- **Protocols:** UART, I2C, TCP/IP.

## Professional Experience

I am carrying 2.6+ years of experience as an Embedded Software Engineer in Appsrn Technologies Pvt. Ltd., since Jan 2020 to Till date.

## Projects Handled:

### Project#1:

- ✓ **Title:** GUI based structured data accessing system
- ✓ **Role:** Developer
- ✓ **Environment:** Qt Creator, Linux, ARM Cortex A Processor
- ✓ **Language:** C++
- ✓ **Protocol:** TCP/IP

#### ➤ Description:

Using this product, we can update and computerize manually collected details of products in an industry from different units and this digitalized data from various units is transferred to the destination point

➤ **Responsibilities:**

- ❖ Part of team making Draft Design of project.
- ❖ Developed front end GUI design as per display unit restrictions.
- ❖ Development of functional code in QT environment.
- ❖ Involved in SQLite database integration.
- ❖ Troubleshoot and debug software code.

## Project#2:

- ✓ **Title: Low cost Circuit for Sensing the Operation of Electrically Operable Device**
- ✓ **Designation:** Developer
- ✓ **Environment:** Linux OS, C++, QT Creator
- ✓ **Processor:** ARM Cortex A processor.

➤ **Description:**

- ✓ This product is a automated apparatus, used for dispensing post mix beverages rapidly as per user requirement and improving sanitary condition with minimal interaction of operator, which is relies on the time delays which is given by operator.

➤ **Responsibilities:**

- ❖ Understanding the technical specs of product.
- ❖ Build reusable code for future use of user interface
- ❖ Design Human Machine Interface(HMI) as per operational instructions.
- ❖ As a part of team for resolving related issues.

## Project#3:

- ✓ **Title: Embedded based crop production monitoring system.**
- ✓ **Designation:** Developer.
- ✓ **Software Tool:** Keil IDE.
- ✓ **Hardware:** ARM Processor.
- ✓ **Languages:** Embedded C.

➤ **Description:**

- ✓ Objective of this Project is to design a simple and easy to install microprocessor based circuit to monitoring the climate parameters of the natural environment in order to achieve optimum plant growth and improved crop yield.

➤ **Responsibilities:**

- ❖ Gather and address technical and design requirements of product to improve performance and accuracy.
- ❖ Played as a team player in draft designing of the modules.
- ❖ Collaborate with customers to create a system based on their needs.
- ❖ Write well designed, testable, efficient code.

## Academic Profile

- **Graduation:** B.Tech from JNTU-Hyd in Electronics and Communication Engineering in 2017
- **Diploma:** Princeton college of Engg & Tech in 2014.

## Personal Details

- Gender : Male
- Date of Birth : 20/12/1994.
- Nationality : Indian
- Marital Status : Married
- Known Languages : English, Telugu, Hindi.
- Relocation : PAN India.

## Declaration

“I hereby declare that all the information mentioned above is free from error to the best of my knowledge and I bear responsibility for any deviation from them at any later stage.”

**Place:**

**Date:**

**Signature**  
**(Rajashekhar K)**