HARISH SARMA VELAVALAPALLI
SOFTWARE ENGINEER

☎ +91-9618600674 | ✉ harish.velavalapalli@gmail.com | Skype name: harishsharma.v@outlook.com | 🏠 Vizag

Objective:

　　　To be associated with a progressive organization that provides me the scope to apply my knowledge and skills and involve myself as a part of the team that dynamically works towards the growth of the organization.

Professional Profile:

- ❖ Having **4 years** of experience in Software Development using **C++, VC++, WIN32, MFC, Multithreading.**

- ❖ In-depth knowledge of application development methodologies like **Object Oriented Concepts [OOPs].**

- ❖ Having experience in **C++** technical concepts like type castings, smart pointers, Pointer/Ref types, Deep Copying, Shallow Copying, Virtual destructors, Mutable, const, volatile and auto keywords.

- ❖ Hands on experience in writing Generic Code using Template Functions and Template classes, and using the **STL Containers like Vector, List, Stack, Queue and Associate containers Map, Multimap, Set and Multiset data structures.**

- ❖ Having knowledge on implementing **design patterns** like **Singleton, Observer, Bridge, Class Factories, and Algorithms** like **binary search and Quick sort.**

- ❖ Hands on experience in developing Windows OS based GUI applications using **Modal/Modeless dialog boxes and Doc/View architecture based SDI/MDI applications.**

- ❖ Extensive knowledge in **Windows Message Map architecture** and **Message handling mechanism in Win32** and **Microsoft Foundation Class (MFC) library.**

- ❖ Experience in developing Single Document Interfaces (**SDI**) and Multiple Document Interfaces (**MDI**) Applications using **MFC Doc/View Architecture**.

- ❖ To Maintaining and Sharing the project files in Visual source safe Excellent understanding of Software Usability and designing user friendly GUI's.

- ❖ Good Knowledge on **Worker Thread**, **User Interface Thread** and Synchronization Objects.

- ❖ Participated in **Analysis**, **Code Review**, **Troubleshooting** and **Debugging.**

- ❖ Having basic knowledge in **Design patterns** and good knowledge in computer sciences areas such as Algorithms & Data Structures.

- ❖ Experienced in developing technical documentation Software Development Life Cycle (**SDLC**).

- ❖ Good analytical and problem solving skills and ability to think about a problem and to solve it through my debugging and troubleshooting skills.

Current Company	**:**	**BRIDGELINE DIGITAL PRIVATE LIMITED**
Duration	**:**	**Since Jun 2019** to till date
Location	**:**	Bangalore
Designation	**:**	Software Engineer

Education:

❖ **B.E** from **Raghu Instistute of Technology, Dakamarri**, Affiliated to **Andhra University Visakhapatnam**, Graduated in 2011 – 2015.
❖ **INTERMEDIATE** from **Sri Chaitanya Junior College**, Viskhapatnam in 2009 – 2011.
❖ **S.S.C** from **Sri Prakash Vidya Niketan, Payakaraopeta** in 2007- 2008.

Technical Skills:

Programming Languages	**:**	C, C++, and VC++.
Technologies	**:**	Win32 API, MFC, STL, DLL.
Software Development Tools	**:**	Tortoise SVN 2008, Visual Studio 2015, GitHub, Jira
Database	**:**	SQL Server 2012
Platforms	**:**	Windows 7 and 10.

Project Details:

Project 1 : Accessibility (Message Center)

Date From / To	Role	Company	Client
June 2019 to till date	Developer	**Bridgeline digital private limited**	**Cerner Healthcare**

Team size	9
Technologies	C, C++, MFC, VC++.
Libraries	Win32 API,

Description:

Powerchart is the hospital administration application widely used in the US hospitals. In powerchart application, Message Center is the communication module from hospital to the patient. Again, In message center we can find different tabs inbox, proxy and pools. Here the doctors can send the message to the patient including all the medication details and with the attached reports.

Here as a part of accessibility, need to uplift the all-message center screens in such a way that even the accessible user (Blind and Deaf & Dumb) can use the application without fail. Blind user can use the application with the help of third party screen reader software (JAWS). JAWS will read the information wherever the focus is there on the screen. In the case of deaf & dumb user he can access the application using key board short cuts and tabbing controls.

❖ Understanding the Existing application which is getting migrated from C++.
❖ Involved in the design development testing phases of the project.
❖ Adherence to stringent deadlines without compromising the quality of deliverables by Agile

Roles & Responsibilities:

- My role is to uplift the message center screens in such a way that even accessible user can use the application.
- Uplifted the screens by giving the tabbing control and key board short cuts.
- Implemented accessible strings so that screen reader (JAWS) can read.
- Uplifted report control.
- Uplifted most of the MFC controls.
- Fixed the legacy defects as well as injected defects.
- Participated in code review meetings.

Place: Bangalore   V HARISH SARMA