

Sai Venkatesh

Software Developer



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SKILLS

C

C++

Managed C++

C#

VC++

Win32

MFC

DLL

COM

STL

Data Structures

Multi-Threading

Design Pattern

SQL Server 2012

Career Objective

A highly organized and hard-working individual looking for a responsible position to gain practical experience in the field of **C, C++, VC++, WIN32, MFC, DLL, COM** and implement the learning gained in this field to develop complex project with efficiency and quality in an effective manner and hence become a part in creating positive environment for accomplishing projects in company's growth process.

Work Experience

Software Developer

MGS TECHNOLOGIES PRIVATE LIMITED

02/2019 – Present

Bangalore

Education

Graduation

Bharath University-Chennai

Professional Summary

- Expertise in **C, C++, OOPS, VC++, MFC, COM & DLL** with **4.5 years** of Experience in IT industry.
- Well Experience in Object Oriented Technologies and **Object Oriented Concepts**.
- Experience in writing **Inheritance, Runtime Polymorphism**.
- As a software engineer Technical Expertise in providing solutions using **Win32 SDK, MFC**.
- Proficient in Programming Using **GDI** Objects.
- Experience in developing **Single Document Interfaces and Multiple Document Interfaces** functionalities for simulation systems.
- Possess experience in the area of **multithreading, debugging, exceptional handling**.
- Well versed in developing **modal & modeless** dialog boxes.
- Have basic knowledge of **Healthcare, Banking & Finance domains**.
- Good in getting acquainted with latest technologies and implementing in **Unity™ Platform** ideas and solutions for a problem.
- Good at analytical skills and always strives for working out an efficient product. Excellent as a team player and can also work at individual level.
- Have basic knowledge of **COM** components.
- Good knowledge in **Dll's** like Win32 SDK Dll's, MFC Regular and Extension Dll's.
- Basic knowledge in **Design Patterns** like Singleton, Bridge etc.
- **Debugging** and Integration Testing for Reports module.

Project 2 Details

Project name	UNITY FINANCIAL REPORTING
Duration	April 2021 to till date
Client	CONFLUENCE, Pittsburgh, PA
Team Size	14
Project Type	FINANCIAL
Environment	C/C++, VC++, MFC, COM, Multi-threading, Visual Studio 2017/2019, SQL Server 2012, JIRA, Bitbucket.

Description

Unity Post-Trade Compliance is part of the Unity™ platform, the comprehensive fund Administration platform from **Confluence**. The Unity platform replaces multiple time consuming, costly, and error-prone manual processes with the ability to achieve mass customization, process consolidation, and complete automation of vital reporting functions through a single source.

Modules

Accounting:

Comprehensive client accounting functionality within **Unity™ Platform** allows real-time account enquiries to be performed, with the further capability to drill down to the original source of the data. The system additionally allows enquiries to be performed on basic trial balances, such as P&L and Balance Sheet, while real-time/on-line account statements provide a quick and easy way to view your up to date client positions.

Holdings:

Unity™ Platform also provides functionality for brokers offering Custodian services to trading and non-trading clients, or firms operating on a Principal basis. These facilities include automatic position keeping and reporting, calculation of service fees, statements and automatic adjustments for corporate actions. Stock and cash accounting positions are updated on a real-time basis within the system, reflecting movements both in and out of accounts.

Unity™ Platform fully supports multi-market, multi-currency, multi-company Agency and Principal trading, from trade entry through to the monitoring and revaluation of principal positions. Indeed, real-time position keeping underpins principle trading to enable realized/unrealized profit/loss calculations, in conjunction with mark-to-market and cross currency valuations, to be monitored.

Roles & Responsibilities

- Analysis of the Specifications provided by the clients and involved in meeting with functional team to understand the functional specification properly.
- Worked closely with other team members to understand their needs and expectations in order to develop the high quality software components that make the complex applications easier to use and user-friendly.
- Involved in bug fixes as well as enhancements to the existing project.
- Implemented View Objects to track the current status of all reconciliations.
- Working with Menus and Accelerator Resources and C document templates.
- Handling Threading logic to develop various reports.
- Proficient in Programming Using GDI Objects and Experience in developing SDI/MDI functionalities.

Project 1 Details

Project Name	Cardiology Data Management
Duration	February 2019 to March 2021
Client	JOHN F WELCH TECHNOLOGY CENTER (GE Healthcare, Whitefield, BLR)
Team Size	8
Project Type	HealthCare
Environment	C/C++, VC++, MFC, COM, Multi-threading, Visual Studio 2017, SQL Server 2012, GitLab, Rally, Jenkins.

Description

Our scalable MUSE* Cardiology Information System integrates, manages, and streamlines the flow of cardiac information, enabling faster data delivery, distribution and analysis. The system provides physicians with access to patients' ECG information while streamlining workflow. This helps support informed decisions and high quality of care.

MUSE supports your facility's bottom line, too. Improved billing processes help capture revenue. Bi-directional communication between your Hospital Information System (HIS), Electronic Medical Records (EMR) and ECG devices fosters enhanced workflow efficiencies throughout your healthcare facility, for better patient flow and faster reporting.

Features:

- Customized high pass filter 0.01hz/0.05Hz/1Hz.
- Detection of pace pulses in the 500Hz ECG.
- Pace enhance.
- Calculation of electrode status (OK, Noise, Dropped).
- 50Hz/60Hz compensation (line filter).
- Noise filter 20Hz/40Hz/100Hz.
- Calculating leads from electrodes.
- QRS trigger and HR Calculation.
- Provides 10s ECG blocks.

Roles & Responsibilities

- Coding different classes for run time data processing using managed C++ and VC++.
- Understanding existing code in VC++, MFC and implementing the same using VC++.
- Debugging and Integration Testing for Reports module.
- Memory Analysis using windows leaks detector tool.
- Designing of GUI Modal/Modeless dialog boxes and developing GUI using MFC Classes.
- Trouble shooting using log files.
- Involved in bug fixes as well as Enhancements to the existing project.
- Developing the application and do the unit testing.

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