

TEJESWARA REDDY

C++ Developer



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Hyderabad

Objective

Working as a software Engineer with 2.0 years of industry experience on Trading Plot forms using C, C++, C#. Broad Fixed Income experience in development and analysis to support of front to back office applications in institutional environment. Hands on experience on C, C++, WIN 32, C#, SQL Server, VC++/MFC/DLL'S.

Experienced Summary

- ✚ A professional Software Developer with 2 years of experience in developing Windows based GUI applications using C/C++, Win 32 API, MFC, DLL and COM, Multithreading, C++ 11 feature and C# 6.0 In-depth knowledge of application development methodologies like Object Oriented Concepts.
- ✚ Hands on experience of developing codes using OOPS Concept (Class, Object, Data Hiding, Polymorphism and Inheritance).
- ✚ Proficient in C++ technical concepts like Overloading/Overriding and Dynamic Memory allocation with New and Delete.
- ✚ Hands on Experience of writing codes using Friend Function, Object relationship, Type - castings, call by value / call by Ref, Virtual/Pure Virtual Function, Object slicing and stack unwinding.
- ✚ Proficient in developing Thread-Safe objects using proper Exception Handling Mechanism.
- ✚ Good in developing code using the STL Containers like Vector, List, Stack, Queue and Associate containers like Map, Multimap, Set and Multiset.
- ✚ Having a good concept of writing Generic Codes using Functions Template and Class Template.
- ✚ Having professional experience in developing GUI applications using Microsoft Foundation Class(MFC).
- ✚ Having Good commands on developing code using Windows Message Map architecture and Message handling in Win32 and Microsoft Foundation Class (MFC) library.
- ✚ Good knowledge in Static Libraries, Dynamic Libraries, MFC Regular/Extension DLLs and Implicit/Explicit mechanism linking of DLL's.
- ✚ Having good understanding of how to implement Process, Threads and Synchronization objects like Critical Section, Mutex and Events & Design Patterns.
- ✚ Proficient in writing Visual C++ code using Multi-threading concept using worker and User Interface threads.
- ✚ Good Knowledge in Stock Trading, Risk Analysis Of Bonds, Hedging Of Fixed Income Securities.
- ✚ Having Good Understanding of Agile Methodology and Scrum Process.
- ✚ Good experience of Debugging the DEBUG/RELEASE builds using Visual Studio Debugger.
- ✚ Participated in Enhancement of projects with Team Foundation Server, Designed dozens of software solutions driving continuous improvement to processes, systems, and workflow and customer responsiveness.

Employment Summary

TECHNOLOGIC SOLUTIONS PRIVATE LIMITED, Pune – Software Developer, AUG-2021 – Till Date.

Technical Skills:

Programming Languages	: C, C++, VC++.
Technologies	: WIN 32, API, MFC, DLL, COM.
Database	: SQL Server 2008.
Software Tools	: Visual Studio 2013.
Source Control Tool	: Tortoise SVN.
Operating System	: Windows XP, 7, 8 and 10 & Linux.
Software Packages	: MS Office.

Academic Profile

- ❖ B. TECH (ECE): From Vaagdevi Institute Of Technology & Sciences (JNTUA), Anantapur with 63% of marks in 2021.
- ❖ Intermediate: From The Nandyal Junior College of State Inter Board with 72% of marks in 2015.
- ❖ SSC (10th Standard): From Sri Saraswathi High School of Secondary Education, with 65% of marks in 2013.

Project Details

Project Name	Calypso Middle/Back Office
Client	Calypso Technology, New York
Role	Assistant Software Developer
Duration	May 2021 To Till Date.
Team Size	13
Environment	C++, VC++7.0, Win 32 API, MFC, DLL, COM, Multithreading, Visual Studio 2008,2013,2019, SQL Server 2008&12, Tortoise SVN,Team Foundation Server.

Description:

For the middle and back office Calypso offers the infrastructure needed to handle high volume of equity trading with real time position and P&L evaluation.

Risk reports are run in real-time, from a selection of pre-configured out of the box reports. The scenario analysis tool generates a view of risk and P&L based on user-defined scenarios.

Calypso's comprehensive back office streamlines the processing of vanilla trades through its exceptions-based workflow. This workflow can be defined by the user, depending on the degree of automation required.

Calypso provides a Componentized CREST interface and can interface to exchanges to facilitate the processing of equities.

Roles and responsibilities:

- ✓ Generating the cash flows of fixed income securities.
- ✓ Prepay, Loss, Severity risk analysis for Home Equity.
- ✓ Developed parsing libraries for prepay, loss, severity and vectors.
- ✓ Developed business objects for Deal/Tranche/Stats/Hedging.
- ✓ Effectively analyzed trace files and tracked missed or corrupted deal files.
- ✓ Understanding the Functional requirement specifications provided by the clients.

Statement Of Purpose:

I have been consistent in my career objectives. My professional experience has given me the confidence to adapt myself to the rapidly changing technology and to complete the assignments on time. I believe that your organization will provide me the opportunities to further develop the necessary skills needed for tomorrow's environment in the industry.

(TEJESWARAREDDY)

