

# TEJESWARA REDDY

## C++ Developer



9849857134



| [tejar07@gmail.com](mailto:tejar07@gmail.com) |



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

<b>Project Name</b>	<b>Calypso Middle/Back Office</b>
<b>Client</b>	Calypso Technology, New York
<b>Role</b>	Assistant Software Developer
<b>Duration</b>	May 2021 To Till Date.
<b>Team Size</b>	13
<b>Environment</b>	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)**

