

BHANUPRAKASH

C++ Developer



9346534202



prakashbhanu8900@gmail.com



Bangalore

Objective

Working as a software Engineer with 3.2 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 more than 3 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 mechanism in Win32 and Microsoft Foundation Class (MFC) library.
- ✚ Good knowledge in Static Libraries, Dynamic Libraries, MFC Regular/Extension DLLs and Implicit/Explicit linking of DLL's.
- ✚ Having good understanding of how to implement Process, Threads and Synchronization objects like Critical Section, Mutex and Events.
- ✚ 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

DIGIMETRIX TECHNOLOGIES PVT LTD, Bangalore – Software Developer, AUG-2019 – Till Date.

Technical Skills:

Programming Languages	: C, C++, VC++.
Technologies	: Win32 API, MFC, DLL, STL, COM.
Database	: SQL Server 2008.
Software Tools	: Visual Studio 2008.
Source Control Tool	: Tortoise SVN.
Operating System	: Windows XP, 7, 8 and 10.
Software Packages	: MS Office.

Academic Profile

- ❖ B.TECH (EEE): From Hasvita Institute Of Engineering& Technology (JNTU-H), Hyderabad with 58% of marks in 2013.
- ❖ Intermediate: From Sneha Junior College of State Inter Board with 71% of marks in 2009.
- ❖ SSC (10th Standard): From Vishwa Bharathi High School of Secondary Education, with 83.83% of marks in 2007.

Project Details

Project Name	<i>Calypso Fixed Income</i>
Client	Calypso Technology, New York
Role	Software Engineer
Duration	August 2019 to Feb 2021
Team Size	15
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:

Calypso integrates fixed income trading and trade processing from vanilla products through to more complex instrument types, such as structured credit. Products such as government bonds, emerging markets, ABS, MBS, collateral repos, securities lending, fixed income derivatives and more, are supported by Calypso.

Key Module:

- ✓ User Administration – It used for creating users and passwords or integration with central user directory (Active Directory, LDAP)
- ✓ System Administration – it enables creating and managing access rights for system screens and functions
- ✓ Catalogue – it stores definitions of securities, clients and counterparties, which take part in operations on securities processed in other modules
- ✓ Trade – it allows for registration and processing of all trades, corporate actions and operations on securities – the transaction parameter set, and work-flow is customized to reflect the requirements of CSD and internal operation regulations
- ✓ Book-keeping – it manages the account chart, booking and storing current and historical balances on system accounts
- ✓ Analysis – it provides analyses and calculations based on settled trades, account balances and catalogue definitions i.e. portfolio valuation, taxes, fees, stock share calculations, trade or position limits, etc.
- ✓ Communication – processing the data exchanged between Calypso and external systems i.e. SWIFT MT5XX, financial settlement, quotation import, dealer system, reconciliation files, trades & balances extract, money laundering files.

- ✓ Reporting – reports for regulators, client statements and customized internal reporting, a tool for automatic report generation (report queuing and scheduling) – reports can be displayed on screen, printed or saved to files.
- ✓ Dictionary – an administration tool for defining various important system elements as client parameters, securities, accounting rules, trade work-flow, etc. – the Dictionary module can be accessed by the bank users for modification purposes.

Roles and Responsibilities:

- ✓ Comprehensive use of Calypso Fixed Income to generate roles and assign roles to end users.
- ✓ Created and maintained Derived and Composite Roles.
- ✓ Performed User administration (creating, changing, maintaining, deleting user accounts and assigning roles).
- ✓ Managed user login parameters and password parameters.
- ✓ Find out Certificate Expirations and generating the renewal notifications to the users.
- ✓ Worked on Authorization Groups and Root ID's.
- ✓ Prepared Auto Sys Jobs using Report Generation Wizard's and assisted the client in GUI enhancements and custom controls development using sub classing of MFC controls.
- ✓ Worked with Modal/Modeless dialog boxes.
- ✓ Application development using MFC Doc/View Architecture model.

Project Name	Calypso Middle/Back Office
Client	Calypso Technology, New York
Role	Assistant Software Developer
Duration	March 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 Equities
- ▽ 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 Puspose:

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.

(BHANUPRAKASH)