

SRAVANI

Software Developer



PROFILE

I intended to build a career in an organization which allows me to contribute to it with the best use of my skill set and learn in a process.

CONTACT ME



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SKILLS

C, C++



MFC, Win32



VC++, STL



SQL, GitHub, C#



Multi-Threading



EDUCATION

- Andhra Loyola Institute of Engg &Tech, Vijayawada. **B.TECH** (6.7 CGPA) Mechanical Engg 2017-2020
- Govt Polytechnic College, Vijayawada **Diploma in Mechanical**(65.67%) 2013-2016
- Z.P High School,Vijayawada **S S C** (6.5 GPA) 2013

EXPERIENCE

Company: SOLUBIX TECHNOLOGIES

Designation:

- Software Developer

Duration:

- December 2020 - Till Date

Experience:

- 2.6 years

- A professional Software Developer with more than 2+ years of experience in developing **Windows** based **GUI Applications** using **C/C++**, **Win 32** , **MFC**, **DLL** , **Multithreading**, **C++ 11** feature
- 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 of implementing Component Object Model **Inproc /Outproc servers** in **VC++ code**.
- Good experience of Debugging the **DEBUG/RELEASE** builds using **Visual Studio Debugger**.

PROJECT NAME:

CALYPSO MIDDLE/BACK OFFICE

CALYPSO TECHNOLOGY, NEW YORK

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 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.

MODULES:

- 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 counter parties, 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.
- 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.

ROLES & 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 1MO,3MO,6MO, LIBOR 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.

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