



KRISHNA

SOFTWARE DEVELOPER

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About Me

To be a part of a developing that gives me ample scope to apply my knowledge and skills, in tune with the latest Trends and to be a part of a team that dynamically works towards mutual growth.

TECHNICAL SKILLS

- Sql
- Frame works
- Visual studio
- VS code

Education

**VTJM & IVTR Degree College
Mangalagiri, Guntur, AP.**

2015-2018 72%

**Andhra Loyola College
Vijayawada, AP.**

2013 - 2015 73%

**Z.P.H School Mandadam,
Amaravati, AP**

2013 78%

Experience

GLOBE ACTIVE TECHNOLOGIES

Software Engineer

- Post Trade backend developer using C++ 11/14 and MFC
- Application New Features Development and maintenance.

My Skill

- C++
- MFC
- VC++
- Win32
- Python

PROFESSIONAL SUMMERY

- 3.1 Years of Development experience in C, C++,VC++, WIN32, MFC, STL, MultiThreading with Windows Software Development and Application
- Post Trading operations middle/backoffice using C++ 14, STL containers and algorithms.
- Hands-On Experience in developing GUI screens using Microsoft Foundation Classes (MFC) and Win32 API
- Good experience in modern C++ features like smart pointers, move semantics, and threading library
- In-depth knowledge of Object-Oriented Programming (OOPS) Concepts like Abstraction, Encapsulation, Inheritance, Compile Time and Run-Time Polymorphism and its Applications.
- Having experience in C++ technical concepts like type castings, Pointer/Ref types Deep Copying ,Shallow Copying ,Virtual destructor, Mutable ,const, Volatile and auto Keywords.
- Hands on experience in writing Generic Code using Template Functions and Template classes, and using the STL Containers like Vector, List ,Stack, Queue, and Associate container like Map, Multimap, Set and Multiset data structures.
- Good analytical and problem solving skills and ability to think about a problem and to solve it through my Debugging and Troubleshooting skills.
- Good exposure in developing Doc/View architecture , MFC SDI/MDI and Modal/Modeless Dialog based applications.

PROJECT DETAILS

- Project Name : I-STAR GV/POST TRADE GUI
- Client : Nomura Research Institute
- Tools : Visual studio 2019, Visual C++, MFC, C++ 14, Git, GitHub, Sonar lint, Azure DevOps, Python, VSCode, SQL Server.

PROJECT DESCRIPTION

I-STAR/GV is a solution designed for brokerage firms, Prime Brokers and Custodians. It has customizable dialog screens and developed on MFC Doc/View Architecture based MDI application. It allows trading risk managers to carry their real-time data analysis. The point-and-click options allow users to drill down to trade, data and process exceptions. I-STAR/GV Post Trade GUI provides configurable exception based queues to manage external interface communication.



Portfolio Managers can carry full tax, fee and commission calculation management and purchase, sales, reconciliation and compression processing. The solution offers multi-product support for various asset classes, including foreign exchange, equities, fixed income, asset-backed securities, derivatives, loans and deposits, and promotes STP through front- and middle-office integration or direct input and upload options.

I-STAR/GV function overview :

- **References master management** : Data management and reference for security information, account information and other core reference data. ·Transaction Management: Execution calculations, Execution matching, Customer Confirmation processing, Market matching.
- **Debt clearing and settlement** : Debt clearing instruction matching, Market Management settlement, custody bank delivery (SWIFT connection, etc.)
- **Balance Management** : Mark-to-market valuation of firm and customer balances, profit and loss management and customer statement creation, Custody bank securities/fund balance matching and Stock record
- **Corporate actions** : Balance confirmation, Corporate Action confirmation and dividend information tracking

Roles & Responsibilities

- Developed document and view classes for security master feature, GUI screens designed for CMO/CDO/Municipal bonds.
- Rights and dividends processing functions include not only cash instrument transactions but also Stock Loan and Repo financing transactions
- MFC Custom message handling functionality implemented, Whenever Corporate Actions change, details of entitlements can be automatically recalculated.
- Enhanced existing/legacy code to improve performance, STL containers like vector, unordered_map, and unordered_set.

Krishna

