

# AYYAPPA

## Software Developer

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### Date of Birth:

12<sup>th</sup> October 1995

### Total Experience:

Total of 2 years in Software Development

### Technical Skills:

- ✓ C, C++,
- ✓ Component Object Model, Multithreading
- ✓ SQL Server 2008
- ✓ Windows XP / 7 / 8
- ✓ Tortoise SVN
- ✓ Visual Studio 2008/2015

### Qualification:

MCA .

Year Graduate: 2020

### Project Domain: FINANCE

### Languages Known:

English, Hindi and Telugu

## Career Objective:

To be a part of a developing organization that gives me sample 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.

### PROFESSIONAL SUMMARY:

- Having **2 Years** of Development experience in **C, C++, VC++, STL, Multithreading** based Software Development.
- In-depth knowledge of **Object Oriented Programming (OOPS)** concepts like **Abstraction, Encapsulation, Inheritance, Compile Time/Run-Time Polymorphism** and its applications
- Having experience in **banking and finance domain**.
- Hands on experience in writing Generic Code using **Template Functions** and **Template classes**, and using the **STL Containers** like **Vector, List** and Associate containers **Map, Multimap, Set and Multiset** data structures.
- Having experience in C++ technical concepts like **type castings, Pointer/Ref types, Deep Copying, Shallow Copying, Virtual destructors, Mutable, const, volatile and auto keywords**.
- Good analytical and problem solving skills and ability to think about a problem and to solve it through my **Debugging** and **Troubleshooting** skills.
- Having experience in implementing **Design Patterns: Singleton Design Pattern, Factory Design Pattern**.
- Basic knowledge of **C++11** features like **lambda expressions, function objects, smart pointers, auto, nullptr**.
- Good Problem Solving Skills.

## SKILLS PROFILE:

- **Programming Languages:** C/ C++.
- **Technologies:** C,C++,Multithreading,DLL,STL.
- **Database:** SQL Server 2008.
- **Software Tools:** Visual Studio 2008/2015.
- **Operating System:** Windows XP/7/8

## EDUCATION DETAILS:

- Post Graduate in **MCA Vigana Degree**&pg College at **Guntur** in the year 2020.
- Post Graduate in **BSC(Computers)** Sri baba Gurudev Degree College at **Sattenapalli** in the year 2016.
- Completed intermediate with **Mahatma Gandhi Jr.College** in **Velpur** in the year 2013.

## EMPLOYMENT SUMMARY:

- **Calcue Info Services Pvt Ltd –Software Developer**

## PROJECT DETAILS:

**Project Name** : I-STAR/GV Post Trade GUI  
**Client** : NRI (Nomura Research Institute) Financial Solutions  
**Duration** : Sept 2020 to Till Date  
**Role** : Software Developer  
**Team Size** 09  
**Environment** : C, C++, DLL, Multithreading, Visual Studio 2008, SQL Server 2008, TORTOISE SVN

## 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.

## Features:

### 1) Real-time processing of back office operations across a group's multiple locations (multi-enterprise):

- User-friendly, with a single sign-on system and single database.
- Reduces the burden of operational errors arising from having to input in systems that vary depending on the location
- Real-time processing of operations in multiple locations allows easy reconciliation within a single database.
- Easy referencing of inter-company transaction data and creation of integrated reports for multiple locations.
- Flexible user access control settings

### 2) Multi-currency, multi-asset management for various transactions:

- Comprehensive management of back office operations such as including Trade management (cash instrument, loan repo, exchange, deposits/loans, etc.), clearing, balance management, rights and dividends processing, accounting, etc.
- A total system with a multitude of available functions necessary for back office operations. Can be used as a comprehensive solution or by selecting particular components and functions.

### 3) Advanced Corporate Actions processing which reduces manual operation workloads:

- Compatible with Corporate Action processing and agent operations such as interest, redemption, dividends, stock dividends, mergers and acquisitions.
- Rights and dividends processing functions include not only cash instrument transactions but also Stock Loan and Repo financing transactions
- Whenever Corporate Actions change, details of entitlements can be automatically recalculated
- Ability to conduct mark-to-market valuation taking into account rights and dividends.

## Responsibilities:

- Debugging and finding errors.
- Involved in meeting with functional team to understand the functional spec properly.
- Analysis of the Specifications provided by the clients.
- Understanding the standard reports and real time data views.
- Involved in the bug fixes as well as enhancements to the existing project.
- Preparing the high level design as per the requirement.
- Handling Threading logic to develop various reports.
- Understanding the design requirements specification algorithms.
- Developing the application and do the unit testing.
- Involved in developing Modal/Modeless dialog boxes.

(Ayyappa)