

SAI KIRAN

SOFTWARE DEVELOPER

CARRIER OBJECTIVE

To obtain a responsible and challenging position with a progressive company where my work experience will have valuable application and utilization of my opportunity for advancement to development of the organization.

Skills:

C++



VC++



STL



DESIGN PATTERNES



MFC



WIN32API



Tools : Visual Studio 2019,
VS Code, Git.

Libraries : WIN32 API, MFC API

Database : SQL Server 2012

Operating Systems : Windows

Education:

- **B.Tech(CIVIL)** | **2018**
Chalapathi Institute of Engineering
and Technology. (Guntur)
- **Intermediate[MPC]** | **2014**
Sri Chaitanya Jr College.(Guntur)
- **SSC** | **2012**
Bhashyam High School
Sattenapalli,Guntur(dist).

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Professional Summery

- A professional Software Developer with more than 2.6 years of experience in developing Windows based GUI applications using C++, MFC, VC++, Win32, SQL Server 2012, Windows 10, Git.
- 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**.
- 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**.
- Proficient in writing Visual C++ code using **Multi-threading** concept using **worker** and **User Interface threads**.
- Having Good Understanding of **Agile Methodology** and **Scrum Process**.
- Good experience of **Debugging the DEBUG/RELEASE** builds using **Visual Studio Debugger**.
- 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**.

WORKING EXPERIENCE:

Project	: FINCAD Analytics
Client	: FINCAD USA Inc, New York.
Organization	: VN INFORMATION TECHNOLOGY CONSULTING PVT LTD.
Location	: Bangalore.
Role	: Software Developer.
Duration	: April-2020 to till date.
Team size	: 15
Work Environment	: C++, MFC, VC++, STL, SQL Server 2012, Win32 API, Visual Studio 2019.

Project Description:

Project: FINCAD Analytics

FINCAD is a provider of financial analytics software and solutions that serves more than 1000 organizations globally.

It is a technology innovator in the areas of derivative valuation, risk management, scenario analysis, and profit and loss attribution.

Module#3:

Tactical Corporate Actions (TCA):- Corporate Actions are any actions taken by an issuer affecting income or positions of the issuer's securities such as stock split, cash dividend, stock dividend and rights etc. Corporate Action transactions may affect positions, receivables or both.

FINCAD is notified of Corporate Actions by Tactical Corporate Actions (TCA) Extended Enterprise application. Mandatory Corporate Actions are automatically processed.

Responsibilities Corporate actions handled by TCA:- Cash Dividend, Stock Dividend, Return of Capital, Spin Off, Stock split, Bonus shares etc.

Roles:

- Implemented request/reply process where RKS sends request to Extended Enterprise Corporate Actions (TCA) with its holdings and the TCA returns any confirmed actions on the holdings to RKS.
- RKS sends a listing file of FINCAD asset IDs to TCA.
- The entire holding file is sent on a daily basis.

Module#2:

Cash Admin: - On processing a transaction, GTM posts the unconfirmed and confirmed trades to RKS for record keeping. RKS maintains Trade Date Cash balances and RKS Bank Cash balances during the transaction processing cycle. IMS Operations will reconcile the RKS Cash balances with the Custodian on a daily basis.

Roles:

- Implementation of Trade Data Cash functions, and testing the trade cash balances against to the Portfolio/Manager/Bank/Bank Account.
- Implementation of RKS Bank Cash, which represents cash balances based on settlement activity.

Module#1:

Cash Forecast: – RKS has the ability to calculate investment cash balance for the current business date and to forecast available cash balance into future periods. These projected cash balances are computed by combining expected settlement date cash balances (based on posted transactions for the date on account of purchases and sales) with projected cash items such as income, dividends and FX settlements.

Roles:

- Running the cash projection reports for multiple categories – projected beginning cash balance, projected end cash balance, posted transactions and projected transactions.
- For intraday cash forecasting /projection, the beginning cash balance is reconfigured in RKS if necessary (e.g. back dated trade).

Roles & Responsibilities:

- Implemented View Objects to track the current status of all reconciliations
- Implemented Dialog, and View screens, UI screens modified in stock dividends.
- Implementation of Taxable & Tax-Free Exchange for securities.
- While developing business objects, I implemented Abstraction, Encapsulation, Inheritance and Polymorphism concepts.
- Technically I involved in developing Modal/Modeless Dialog screens, DLL's Regular and Extension.
- Validating the trades and corporate actions received from Front Office system to Back Office application.
- In C++ 11, I used smart pointers (unique/shared/weak pointers), LAMBDA expressions, STL containers like vector, list, map objects.
- Responsible for managing a Corporate Actions/Dividends team within the Hedge Fund Services.
- Implemented Convertibility feature of some bonds (common stocks) and preferred stocks.
- Processing a Stock Split & Spin Offs for Multiple Funds & Individual Funds