MADHAN MOHAN

Mobile No: +91 9493292732 **E-Mail: madhanmohanj1620@gmail.com**

PROFESSIONAL SUMMARY:

❖ I have 2+ Years of work experience in developing Windows applications using Microsoft Visual Studio with C, C++, VC++, Win32, MFC.

❖ Professional programming skills in C/C++ and implementing the OOPS concepts like Abstraction, Encapsulation, Inheritance, Compile Time/Run-Time Polymorphisms.

❖ Good analytical and problem-solving skills and ability to think about a problem and to solve it through my Debugging and Troubleshooting skills.

❖ Having basic knowledge on implementing Design Patterns like Singleton, Observer, Bridge and knowledge on writing algorithms like Binary search and Quick sort.

❖ Good knowledge on DLLs like Regular, Extension DLLs and Implicit/Explicit linking of DLL's.

❖ Good understanding in Windows Message Map Architecture and Message Handling Mechanism in Win32 and Microsoft Foundation Class (MFC)

❖ Good knowledge on Agile Methodology on Application development and participated in various projects stages from conception to implementation and maintenance.

SOFTWARE SKILLS:

Programming Language	:	C, C++, VC++
Libraries	:	Win32 API, MFC
Technologies	:	Win32, MFC, STL
Database	:	SQL Server 2008/2012
Operating Systems	:	Windows XP, 7,8,10.
Framework (IDE/Utilities)	:	Visual Studio 2017.

EDUCATION:

- ❖ B. Com from S V University Tirupati passed in 2017, Aggregate 60%.
- ❖ Intermediate (CEC) from SBN Junior College, Venkatagiri, passed in 2013, Aggregate 50%.
- ❖ SSC from ZP High School, AP Passed in 2011, Aggregate 71%.

EMPLOYMENT SUMMARY:

Currently Working as SOFTWARE ENGINEER at ADP Solutions (payroll: VEGA TECHNO SYSTEMS Pvt Ltd, Pune, Since April-2020– Till Date.

PROJECT:

Title	:	Portfolio Construction and Modelling Solution
Client	:	ADP Solutions
Technologies	:	C++, MFC, VC++.
Role	:	Software Engineer

Description:

This solution brings together the key functionality required by today's progressive investment management firms. Mobilize the power of your portfolio modelling activities. Asset Allocation, Modelling, and Rebalancing, what-if analysis portfolio modelling.

Asset Allocation:

Asset business objects DDL can be integrated into any application as third-party DLL. You rebalance client portfolios, check decisions through pre-trade compliance and then send to the trading desk on-demand with real-time data.

Modelling and Rebalancing:

- The process of realigning the weightings of one's portfolio of assets. Rebalancing involves periodically
- buying or selling assets in your portfolio to maintain your original desired level of asset allocation.

Trade View Analysis:

- It is developed on MFC'S Document-View architecture. You can view the impact of future trade decisions on numerous attributes, including security weights, currency exposure, holdings, asset mix or duration.
- It allows you to simulate changes to portfolio(s) and immediately view the impact of decisions on security weights, holdings, asset allocation, gain/loss analysis, currency exposure, and user-defined security analytics.

Total Modelling Flexibility:

By streamlining the management of thousands of accounts, you can:

- Analyze tax-efficient trading strategies by selecting specific tax lot instructions
- Use different model philosophies (i.e., from top-down or from bottom-up)
- Handle all security types, Leverage complete, global multi-currency capabilities

Roles and Responsibilities:

- Sending daily status reports on new enhancements and bug fixing.
- To keep abreast of all the changes and enhancements in the ITS-Invest application
- User creation and delimit of the user, locking and unlocking of the users.
- Understanding the design requirements and specification algorithms.
- Generating auto-sys reports of all trades.
- Modal/Modeless dialogue screens designing with standard templates.
- Involving in implementing Business layer for Portfolio.
- C++/MFC coding for enhancements.
- Debugging and finding the errors.

FEATURES IMPLEMENTED:

- Access to daily LIBOR Rates (optional subscription)
- Latest and historical Auction Results data for U.S. Treasury bills, notes, bonds, and Treasury Inflation-Protected Securities (TIPS)
- Interest rates available as quickly as published by the source
- Historical rates data by date or date range Built-in operations for obtaining rates by rate families.
- Annual, monthly or weekly average interest rates for every time series
- Real-time US treasury rates for one, three, and six-month benchmarks and one, two, three, five, seven-, ten-, twenty- and thirty-year benchmarks
- Real-time and historical interest rate swap (IRS) rates for more than 20 currencies.
- Historical swap rates by date or date range
- Real-time swaption data in USD or EUR

DECLARATION:

I consider myself familiar with Information Technology aspects. I am also confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Hyderabad (Madhan Mohan)