Ravi V

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SOFTWARE DEVELOPER

To associate myself with an organization that has the potential for future growth and sample scope of learning. I would be able to deliver the best of my knowledge and utilize the skills and implement and contribute towards the new technologies.

CORE COMPETENCIES

−OOPS Concepts−
 −Different types of Castings−
 −STL Concepts−
  - Smart Pointers-
  - Types of Constructors-
	−Modal/Modeless Dialog Boxes−
	 −SDI/MDI Applications & Doc/View Architecture−
	 −Message Map Architecture−
	 −MFC Worker/UI Threads−
	 −Synchronization Critical Section, Mutex, Event and Semaphore−
		Threads
		 −Design patterns −
		 −Software build release activities−
		 −Coding MFC[Regular/Extension] DLL's−
		
		 -Code Debugging and Bug Fixing.

PROFESSIONAL SUMMARY

- ❖ Having 2.1 year of experience in Software Development using **C, C++, VC++, Win32, MFC,DLL, Multithreading**.
- ❖ Good Knowledge in **OOPS** concepts like **Abstraction, Encapsulation, Inheritance, Compile Time/Run-Time Polymorphisms.** and its applications.
- ❖ Having experience in C++ technical concepts like **type castings**, **smart pointers**, **Pointer/Ref types**, **Deep Copying**, **Shallow Copying**, **Virtual Destructors, Mutable, const keywords**.
- ❖ Hands on experience in **MFC Model and Modeless Dialog Screens**, and **MFC Custom Controls** such as **List Controls**, **Static Controls** Experience.
- ❖ Extensively used C++ 11 concepts like **auto, override, final, smart pointes**.
- ❖ Running the application with different input scenarios and find the **run time application behavior.**
- ❖ Involved in developing **Model/Modeless dialog boxes**.
- ❖ Understand user and functional requirements and develop **GUI components.**
- ❖ Extensive knowledge of developing **GUI MFC application**.
- ❖ Hands on experience on **Win32 DLL's & MFC DLL's** using **Static linking** and **Dynamic linking**

EDUCATION

- • **BSC(Computers) FROM ANU university**, Guntur - **Sep 2018**
- • **INTER(MPC) FROM INTERMEDIATE BOARD - APRIL 2013**
- • **SSC - MAY 2011**

TECHNICAL SKILLS

PROGRAMMING LANGUAGES	: C, C++, VC++, MFC
OPERATING SYSTEMS	: WINDOWS 7/10
TECHNOLOGIES	: WIN32, STL, MFC
DATABASE	: SQL SERVER 2008
SOURCE CONTROL TOOL	: BIT BUCKET

WORK EXPERIENCE

COMPANY NAME	Cergis Software solution Pvt Ltd.
DURATION	SINCE Jun 2020 TO TILL DATE
LOCATION	Hyderabad
DESIGNATION	SOFTWARE DEVELOPER

PROJECT	Principia SFP (Structured Finance Platform)
CLIENT	Principia
DURATION	SINCE Aug 2020 TO TILL DATE
POSITION	SOFTWARE DEVELOPER
TEAM SIZE	07
LOCATION	Bangalore
ENVIRONMENT	C, C++, VC++, WIN32, MFC, VISUAL STUDIO 2008,2015, WINDOWS 7/10, SQL SERVER 2008, Bit Bucket.

Description:

A desktop and network-based Distributed Processing System, this database-driven Enterprise System can be scaled to meet the needs of small hedge funds as well as major market dealers. Principia SFP is a versatile and easy to use tool for both front office and middle-office functions. The Principia SFP solution is a comprehensive Microsoft technology (VC++ Doc/View)-based application for valuing, and managing risk of structured finance products.

Principia SFP provides full support for ABS, RMBS, CMBS, CDO and structured credit investment management on a single platform, alongside fixed income, hedging and funding products. The platform streamlines the operational control of complex cashflows across all structured finance positions within a single portfolio and risk management environment ensuring comprehensive lifecycle management from deal capture, through to accounting.

Modules:

PORTFOLIO:

Analyze deal performance metrics and monitor tranche, collateral or credit enhancement for intex modeled deals. Integrate Intex performance data with other data sources and internal analysis for a view across all assets(ABS, CMBS, RMBS, and CDO Covered Bonds etc.)

Set risk limits to performance variables (e.g. 30/60/90 days delinquency, LTV etc.) and portfolio exposures (concentrations, ratings, stratifications, interest etc.)

Consolidate data sources for deal summary, tranche detail (e.g. composition and stratification) and collateral Performance reports. Maintain compliance with investment policy with asset surveillance and diversification controls.

CASHFLOW ENGINE:

✓ Apply user's forecasting assumptions to project cashflows through intex.

✓ Full suite of prepay, default and delinquency static and vector assumption and automated integration

  with AD & Co models.

✓ Dynamic linking of amortization across hedges and underlying assets.

✓ Consistent interest rate models used across all assets to reduce model noise.

- ✓ Full suite of structured finance deal cashflow, portfolio and compliance (composition rating, market risk) reports available out-of-the-box.
- ✓ Total control over factor and interest information in advance of data delivery, for accurate accounting and cashflow management.

Roles & Responsibilities:

- ✓ Understanding the business requirement document and design document.
- ✓ Developing the parser DLLs, to extract the details of trade information from Trade Capture files and display the result back to application.

- ✓ Bug analysis and fixing.
- ✓ Handling Threading logic to develop various reports.
- ✓ Handling software build release activities.
- ✓ Prepared the application information document.
- ✓ Add the feature as per requirement of client.
- ✓ Perform unit test and user acceptance test.

Ravi.V