

K.NIKHILA

SOFTWARE DEVELOPER
MANAGED C++(14)

CONTACT



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Bangalore

SKILLS

- Managed C++
- MFC Frame
- Multi-Threading

ABOUT ME

To work in a dynamic and challenging environment that utilizes my skills and education and contributes to the overall career development.

WORK EXPERIENCE

- **Organization name:**
Feedoozy Technologies Pvt Ltd
- **Designation:**
Software Developer
- **Duration:**
December-2020 to till date(2.1 years)
- **Location:**
Bangalore

EDUCATION

- **2018-2020(Master Of Science):**
Rayalaseema University Kurnool
Aggregate with 8.17 CGPA
- **2015-2018(Bachelor Of Science):**
Ravindra degree college for Women
Aggregate with 8.71CGPA
- **2013-2015(Intermediate):**
Sri Gayatri Jr College, Kurnool
Aggregate with 70.2%
- **2013-SSC:**
Z P P HIGH School, Bukkapur
Aggregate with 7.5 GPA

PROFESSIONAL SUMMARY:-

- 2 Years 1 month of work experience in back-end development using C++14, Multi-Threading and Synchronization.
- Good Knowledge in **STL Containers** vector<>, list<>, map<>, set<>, iterators and Algorithms.
- Implemented various **design patterns** like singleton, factory, abstract factory, observer, and chain of responsibility in GUI events.
- Good knowledge in Standalone Desktop Development using MFC Framework and Win32 API's
- Good understanding of Financial Instruments(structured deals, and non-structured deals)
- Developed **Modal/Modeless Dialog screens**, and implemented custom controls (CEdit, CListCtrl, CButton)
- Implemented Managed C++ (C++/CLI) assemblies, extensively used Marshal Class for interoperability Native and Managed environments.
- Hands-On Experience in Modern **C++ Generic Programming** (templates, lambdas, functors, concepts)
- Good knowledge in memory management, widely used unique_ptr, shared_ptr, weak_ptr, and Move Semantics.
- Good knowledge in Docker containerization, and basic knowledge in Cloud Computing AWS.
- Hands-On Experience in the implementation of **OOPS Concepts** (Abstraction, Encapsulation, Inheritance and Polymorphism), and followed SOLID Principles.
- Good knowledge in MFC Framework Message Map Architecture, and Command Routing in Doc/View Applications.
- Unit Testing using gtest and gmock frameworks, implemented unit test cases using TEST, TEST_F, TEST_P macros, and Mocking using MOCK_METHOD, and EXPECT_CALL.
- Basic Knowledge in Web Technologies (Angular, NodeJS), and MVC Architecture, Dependency Injection Software Patterns.

Project #**Project Name:** UNITY FINANCIAL REPORTING**Client:** CONFLUENCE, Pittsburgh, PA**Project Type:** Capital Markets/Investment Banking**Team Size:** 12**Project Description:-**

Unity Post-Trade Compliance is part of the Unity™ platform, the comprehensive fund Administration platform from Confluence. The Unity platform replaces multiple time consuming, costly, and error-prone manual processes with the ability to achieve mass customization, process consolidation, and complete automation of vital reporting functions through a single source.

Module # Accounting

Comprehensive client accounting functionality within Unity™ Platform allows real-time account enquiries to be performed, with the further capability to drill down to the original source of the data. The system additionally allows enquiries to be performed on basic trial balances, such as P&L and Balance Sheet, while real-time/on-line account statements provide a quick and easy way to view your up to date client positions.

Module # Holdings

Unity™ Platform also provides functionality for brokers offering Custodian services to trading and non-trading clients, or firms operating on a Principal basis. These facilities include automatic position keeping and reporting, calculation of service fees, statements and automatic adjustments for corporate actions. Stock and cash accounting positions are updated on a real-time basis within the system, reflecting movements both in and out of accounts.

Unity™ Platform fully supports multi-market, multi-currency, multi-company Agency and Principal trading, from trade entry through to the monitoring and revaluation of principal positions. Indeed, real-time position keeping underpins principle trading to enable realized/unrealized profit/loss calculations, in conjunction with mark-to-market and cross currency valuations, to be monitored.

Roles and Responsibilities:-

1. Implemented Managed C++ Wrapper library for processing a Stock Split & Spin Offs for Multiple Funds & Individual Funds.
2. Developed and modified existing Angular Reactive Forms validation for validating the trades and corporate actions received from Front Office system to Back Office application.
3. Involved in the business logic for the implementation of Taxable & Tax Free Exchange for securities.
4. Updated stock-split module (RxJS Observable, observer objects).

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