

# yugandhar

# C++

## Software Developer

### Career Objective

To serve a growing organization to the best of my ability sincerely, honestly with hard work and where I am the role player for the overall growth of the concern and development of my team. I am ever keen to acquire some new technologies and climb the corporate to ladder by skillset and hard work. .

### CONTACT

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### EXPERTISE SKILS

C++ VISUAL C++ Win32,MFC



STL,DLL

C#

MULTI  
THREADING



DESIGN PATTERNS



### EDUCATION

Degree(BSc.Computers) | 2020

Rayalaseema University

- Sri RamaKrisna Degree College, Nandyal ,Kurnool.

Intermediate(MPC ) | 2017

- K G R Jr College,Banaganapalli,Kurnool.

SSC | 2014

- Z P High School,Pasupala,kurnool.

### EXPERIENCE

Company Name : IRIS DIGITAL Technologies Pvt.Ltd.

Duration : June 2020 To Till Date

Designation : Software Developer.

### TECHINICAL SKILLS

Programming Languages : Modern C++ (C++11 and C++14), C# 9.0

Technologies : Win32API,WPF ,STL ,.NET4.5

Bug Tracker : Case Tracker.

Source Control Tool : Git ,Git-Hub

TOOLS : Visual Studio 2017/19, Git, Git-Hub.

## PROFESSIONAL SUMMARY :

- Having 2.5years of work experience as a Software Developer in Window application's development using C, C++ , VC++,Win32API, MFC, STL and Multithreading.
- Hands On Experience in C++11 Coding, using Move semantics, functions , lambda expressions, smart pointers (unique\_ptr , shared\_ptr , and weak\_ptr).
- Good knowledge in working with STL Containers(vector, list, map, set, stack and queue), Algorithms and ITERATORS.
- Good Experience in designing of UI's using Dialog boxes and Custom Controls.
- Hand's on experience in providing solutions using Win32 API, MFC and STL like Vector, List, Map, Stack and Queue.
- Good experience in designing and developing GUI applications and Designed and implemented dialog based as well as SDI/MDI applications using MFC Doc/View Architecture.
- Good knowledge on Agile Methodology on application development.
- I followed Software Development Life Cycle (SDLC) for Technical Documentation.
- Good experience on Multithreading and Synchronization objects like Mutex, Critical Section and Event
- Understanding user and functional requirements and developing GUI Components.
- Concepts(Abstraction, Encapsulation, Inheritance and Polymorphism)
- Followed SOLID Principles, and good knowledge generic programming using C++ 14 CONCEPTS, and RANGES Library.
- Involved in developing Static and Dynamic Link Libraries using Win32 APIs and 'C' language.
- Good Knowledge in Design Patterns (Singleton, Factory, Observer), and Dependency Injection.

## PROJECT DETAILS :

### Project #1

**Company Name** : IRIS DIGITAL Technologies Pvt.Ltd(Hyderabad).

**Project Name** : TLM Trade Process Management.

**Client** : SMART STREAM TECHNOLOGIES, LONDON,UK.

**Team Size** : 09

**Duration** : Oct 2020 to Present.

**Environment** : C++, VC++,MFC,Win32API,Multithreading, STL,C++11, Visual Studio 2015&2019.

## **DESCRIPTION**

- TLM Trade Process Management (TLM TPM) addresses the post trade allocation, confirmation and settlement needs of participants in the global securities markets. TLM TPM provides a massively scalable, highly flexible solution for the Middle and Back Office operations of buy-side, sell-side and custody firms to process the widest range of asset classes: equities, fixed income, FX, money markets and derivatives.
- TLM TPM supports the entire transaction lifecycle from the point of deal capture to allocation, confirmation, settlement and beyond.

## **MODULE #3**

### **Collect & Validate :**

- Trade Process Management collects and validates trades from multiple upstream order management and deal capture systems, then normalizes trade data into a standard internal representation.

## **MODULE #2**

### **Allocation & Confirmation :**

- TLM TPM manages the flows and business logic for each allocation and confirmation utility. Users can route trades through the appropriate process based on flexible rules that can vary according to asset class and counterparty preference.

## **MODULE #1**

### **Settlement status tracking :**

- TLM TPM tracks settlement status update messages received from the Custodian to ensure that the transaction remains on track. Where the messages indicate that a problem may have occurred an exception is raised. Where the custodian status update indicates that a problem may be about to occur, alerts can be raised to assist in pre-empting the exception.

## **Role's and Responsibilities:**

- Implemented View Objects to track the current status of all reconciliations.
- Instrument validation against the Security Master Table, and raising the exceptions if validation fails, and providing the provisions to resolve failing trades.
- Implemented Internal and External reference data source objects, to enrich the trade settlement process.
- Involved in the unit testing to carry the Confirmation and Matching via Omega CTM, Oasis Direct, and Oasis Global Direct channels.
- Debugging and Troubleshooting SWIFT, and Smart Stream proprietary structured message formats.
- Implemented various Document, and View objects for each trade position.
- Implemented settlement notifications for reconciliation.
- Implemented exception handling mechanism for SWIFT MT578 messages.

**yugandhar**