

# SUSRITHA AVALA

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## Career Objective

Looking for a challenging role in a reputable organization to utilize my technical skills for the growth of the organization as well as to enhance my knowledge about emerging trends in the IT sector

## Technical Skills

C, C++, SQL, STL, HTML, DLL, Multi-Threading.

## Tools

Visual Studio 2015, SQL Server, management studio 2016.

## Operating System

Windows 10.

## Project Management

Agile Software methodology

**Education:** I have Masters in Computer Science from De Mont Fort University, Leicester, UK – 2020.

## Work Experience:

Currently I am working in MPL Technologies Limited for 2.2 years as a software developer in Bangalore.

## Profile Summary:-

- I have 2+ years of experience in Software development using C, C++, SQL and HTML.
- Good knowledge of C++ Oops concepts such as Class, Object, Abstraction, Inheritance, Polymorphism, Encapsulation.
- Coding using C++ 11 like Smart Pointers, Inline Functions, Initialization List.
- Coding using STL Containers such as Vector, Map, Set, and List.
- Good Knowledge of Multithreading and Thread Synchronization objects. Like Critical Section, Mutex and Semaphore, Events.
- Good Knowledge of DCL, DML, TCL Commands in SQL.
- Have a fair understanding of the Oracle database.
- Excellent Problem-solving skills and knowledge of the financial market.
- Good Understanding of software development models like Agile and Scrum Methodologies
- Experience in table creation using Extensible Markup Language (XML).
- Aware of version control tools like GitHub,
- Flexible to learn and work with new technologies.

## Project

### Trade Order Management:-

- Trade Order Management solution brings together the key functionality required by today's progressive investment management firms. Use trading solutions to have your orders flow seamlessly from placement to allocation. It is easy to use order creation, real-time

updates, sophisticated compliance engine and FIX order routing and trade order management capabilities deliver efficiencies through automated processing.

**TRADE ORDER MANAGEMENT** application offering complete automation, flexible reporting and analysis, pre-trade compliance, Robust Audit Capabilities.

**Complete Automation:-** From order creation through compliance verification to placement, fills, allocations and generation of transactions to update your back-office systems, the trading solution links traders with wealth managers, executing brokers, compliance officers and back office staff in real time. Use live blotters to track the life of the order as it moves through the order cycle, with customizable views that allow the trader, portfolio manager and compliance officer to monitor activity

**Roles and responsibilities: -**

- Design, build and Implement reusable, reliable C and C++ code.
- Unit testing and writing test cases to get proper results.
- Participating in the development of collection objects using STL containers such as Vector, List and Map.
- Working on resolving the various kinds of defects.
- Good understanding of code flow and algorithms.
- Coding using oops concepts, Multithreading, and SQL concepts to query the database.
- Coding, Debugging, Analysis, Preparing Analysis Documents and Defect fixing.
- Worked in Agile Process and Version control Process using GitHub.

**Personal details: -**

Date of Birth	: 13-06-1996
Father name	: Avala Yesu Prabhu
Languages known	: English, Hindi and Telugu.
Place	: Tenali.

**Declaration:** - I hereby declare that the information furnished above is true to the best of my knowledge.

**Susritha Avala**