

## Professional Summary:

3.2 years of Professional Experience in VC++/MFC/Win32/COM, Developer experience including design, unit testing and preparing test cases, implementing, Debugging and Bug Fixing, SDI/MDI Applications & Doc/View Architecture, Message Map Architecture, MFC Worker/UI Threads, Synchronization Critical Section, Mutex, Event and Semaphore, Software build release activities, Coding MFC [Regular/Extension] DLL's.

## Experienced Summary:

- Hands on experience in application development methodologies like **Object Oriented Concepts [OOPs]**.
- Having experience in C++ technical concepts like **type castings, smart pointers, Pointer/Ref types, Deep Copying, Shallow Copying, Virtual destructors, Mutable, const, volatile and auto** keywords.
- Hands on experience in writing Generic Code using Template Functions and Template classes, and using the **STL Containers like Vector, List, Stack, Queue and Associate containers Map, Multimap, Set and Multiset data structures**.
- Hands on experience in connecting **DB** with C++ strong exposure in **micro service architecture**.
- Having Professional experience in **C++, Visual C++, MFC, Multithreading, and DLL's**.
- Having good experience in Front end design UI's using **Modal/Modeless dialog boxes** on Windows using Visual C++.
- Extensive knowledge in **Windows Message Map architecture** and **Message handling mechanism in Win32** and Microsoft Foundation Class (MFC) library.
- Having experience on **Multi-threaded Applications** such as **Synchronization Objects, User Interface Thread** and **Worker Thread**.
- Hands on Experience in RESTFUL Services Testing using Postman, Fiddler Tools.
- Work experience in **Agile** driven and test-driven development environment.

## Employment Details:

- Working with **Dimensions Infotech Private Limited, Hyderabad** as a **Software Engineer** from September 2019 to till date.

## Academic Details:

- MBA (FINANCE) from **Jayamukhi Institute of Technological & sciences**, Narsampet passed in **2018**, Aggregate **86.9%**.
- BSC (MCCS) from **Vaagdevi Degree and PG college**, Hanamkonda passed in **2016**, Aggregate **92.3%**
- Intermediate (MPC) from **Chaitanya Junior College**, Narsampet, passed in **2013**, Aggregate **92.6%**.
- SSC from **Udaya Sree high School**, Narsampet Passed in **2011**, Aggregate **92.3%**

## Technical Details:

Language : C++, VC++.

Technologies : DocView, Multithreading, Design Patterns.

Libraries : WIN32 API's, MFC, STL, DLL.

SD Tools : GIT.

Development Tool : Visual Studio 2015, JIRA.

Database : SQL Server 2012.

Platforms : Windows 7, 10.

## Project#2:

Title	<b>Asset Management System</b>
Role	Software Engineer
Duration	<b>Jan 2021 to till date.</b>
Team Size	9
Environment	C++, VC++, WIN32 API's, MFC, VS 2015, SQL Server 2012, Postman tool, Git.

## Description:

Traditionally, Asset Management systems have seldom lived up to their potential. This has not stopped organizations from pursuing the dream of having a centralized system to house all the data and provide functionality to support the entire IT asset lifecycle. There is simply too much to gain by controlling inventory, avoiding massive unplanned expenses, increasing productivity and having easy access to information to make strategic decisions.

This is an in-house project where one can configure all of his assets under one web application. This is currently in development and we have funding from local MSMEs.

Authentication is common for all the assets, and this software provides a common platform to configure various assets with one account. Once login with the node provided it will load the client plugin that's designed to manage resource details which can be on a remote node.

## **Modules involved:**

### **Authentication:**

Authentication we used Oath based authentication where the authentication service sent a jwt token that had an expire time will be send with the entire incoming request from web to asset systems. Asset systems had its own user store where they can validate the data being sent and responsible for generating the jwt token.

### **Web server hosting:**

This module revolves around communicating to different REST servers across the software and we used REST interfaces to implement them and used NGINX as a web hosting service and to bypass proxy requests.

### **Configuration data update:**

This involves updating configuration data even if the asset systems are in remote location by making trust among them using windows certificate management. On the AMS side we have a container service that stores all the connected asset systems and in each asset system we will be having an agent service that communicates with container service to update the data at asset system configuration

## **Roles &Responsibilities:**

- ✓ Involved in implementing windows service to the **REST** Applications.
- ✓ Created UI dialogs and form view dialogs on **MFC** for configure data for various products.
- ✓ Created **Property sheet** that holds the properties of **ASSET/DEVICE POINT**.
- ✓ Building very good relationship with the team, customer and management.
- ✓ Write/Read data to/from **JSON** files which are used for service configurations given demos on implemented features to Stockholders.
- ✓ Interfacing GUI, C++ Code and Database using advanced C++ libraries.
- ✓ Developed Front End UI Screens using C++ MFC.
- ✓ Coding for the Signal Analysis Module and Messenger Module.

## Project#1:

Title	<b>POS Systems Enhancements</b>
Role	Software Engineer
Duration	Nov 2019 to Nov 2020
Team Size	12
Environment	<b>C++, VC++, WIN32 API's, MFC, VS 2015, SQL Server 2012.</b>

## Description:

POS is a key component for businesses focusing on retail and service. POS systems should be able to process every sale fast and securely. The POS enhancements enable store users to more quickly search for products, search hot keys, and speed operations. The hot keys screen allows sales members to quickly select items without scanning or typing, thus allowing for faster transaction processing and better customer service. Most SaaS products have standardized on REST APIs as a common platform for inter-app customization and communication.

## Roles & Responsibilities:

- ✓ Debugging and finding errors.
- ✓ Analysis of the Specifications provided by the clients.
- ✓ Understanding the standard reports and real-time data views.
- ✓ Involved in the bug fixes as well as enhancements to the existing project.
- ✓ Preparing the high-level design as per the requirement.
- ✓ Handling, threading logic to develop various reports.
- ✓ Understanding the design requirements specification algorithms.
- ✓ Developing the application and do the unit testing.
- ✓ Involved in developing Modal/Modeless dialog boxes. Involved in trouble shooting the issues in and **bug fixing** programs in C++, Multi-threading.
- ✓ Understanding bugs and reproducing by following instructions given by the tester.
- ✓ Took active part in fine tuning, performance tuning for socket programming.