BHEEM

SOFTWARE DEVELOPER

Contact

+917601069739

bheemcom0@gmail.com

Skills

- WIN 32 API
- MFC
- STL

Control Tools

- Tortoise SVN
- GitHub

Development Tool

- Visual Studio 2017/19

Languages

- C/C++
- STL
- MFC
- Win32

Career Objective

Aim to work in a challenging work environment where I can utilize my expertise in technical skills, towards the development and implementation of the new ideas, contributing to growth of the organization.

Education

Surya laxmi degree college (2015 - 2018)

Bachelor of Science - Narayanpet, Telangana.

Triveni Junior College (2015)

MPC - Narayanpet, Telangana.

Sri Sai School (2012)

SSC - Narayanpet, Telangana.

Experience

Company Name: QLAB TECHNOLOGIES .

Location: Bangalore

Software Developer

2020 February - Till date

Profile Summary

- Hands-On Experience in back-end development using C++11/14, Multi-Threading and Synchronization.
- Good Knowledge in STL Containers vector<>, list<>, map<>, set<>, iterators and Algorithms.
- mplemented 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.

Project Details

- **Project Name :** GasStream (Integrated Midstream) | Mar 2020 to till date..
- **Client :** Emerson , Pune
- **Team Size :** 18
- **Position :** Software Developer
- **Location : Bangaluru**
- **Environment :** C, C++, VC++, Win32, MFC, Multithreading ,Visual Studio 2019, Server 2008, Tortoise SVN, Git, GitHub.

Project Description

TheGasStream product is VC++, MFC Doc/View architecture MDI application. GasStream product is a gas gathering, processing, and transportation transactional accounting system. The gas gathering and processing modules are tracks ownership of the raw wet gas stream from the natural gas wellhead to a processing plant.

Modules:

- Midstream Gas Gathering
- Gas Processing
- Gas Transportation
- Operational Volume Analysis
- Transactional Accounting
- Billing and Invoicing
- Net-Back Calculations
- Tracking Field/Plant Gain or Loss
- Product Inventory
- Gas Settlement Processing Agreements
- Transportation Contract Management

Gas Stream Gathering:

The system assesses gathering and compression fees for the movement of the raw wet gas stream to the processing plant and creates invoices from the accounting transactions created, payable to the gatherer by the wellhead producers. The accounting transactions created at the processing plant are used to pay producers for their share of the gas products that fall out of the wet gas stream at the processing plant, leaving only the dry gas to enter pipelines.

Features:

- Manage On-System Commercial Operations
- Provide Shipper Portal Flexible Rates and Fees for Complex Contracts
- Manage Imbalance and Cash out Management
- Support Invoice Generation and Transfer to ERP Systems

Processing:

- Modeling Physical Constants, Dispositions
- Calculating Plant Efficiencies
- Processing MultipleGas Plant Settlement Agreements

Transportation:

The transportation module, used by pipelines to track the movement of the dry gas, also keeps up with the title transfer of the dry gas molecules from one party to another, as well as assesses transportation and compression fees for the movement of the dry gas. The product also creates invoices from the accounting transactions that are created by the movement of the dry gas — payable to the pipeline by the shippers.

Features:

- NAESBCompliant
- Transportation Service Provider Administration
- Contract Management
- Capacity Release
- Request for Service
- Nom/Confirm/Schedule/Allocate
- PPA's, Billing, Invoicing
- Regulatory Reporting

Roles & Responsibilities:

- Run daily pipeline scheduling simulations using pipeline transporter software to analyze and generate daily pipeline schedules
- Analyze and authorize shipper and carrier nominations based upon contractual agreements and space capacity on the pipelines
- Monitor day-to-day operations to ensure pipeline optimization.
- Communicate and resolve product transportation issues and demands