


RAJA RATHNAM

SOFTWARE DEVELOPPER

CONTACTS

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CAREER OBJECTIVE

To obtain a dynamic, challenging opportunity that contributes to the outstanding success of the business through more than 4+ years experiences.

SKILLS

C++	<div><div></div></div>
MFC	<div><div></div></div>
Win32	<div><div></div></div>
STL,DLL	<div><div></div></div>
Multi-Threading	<div><div></div></div>
VC++	<div><div></div></div>
VS 2015,2019	<div><div></div></div>
C#	<div><div></div></div>

OPERATING SYSTEMS

- WINDOWS FAMILY
- C++
- VC++
- C#
- .NET
- DLL
- COM

EXPERIENCE

2018 TO TILL DATE

- Working as a **Software Developer** in :-
IRIS DIGITAL TECHNOLOGIES LIMITED, HYDERABAD
(Since **2018** to till date).

AREA OF EXPERTISE :-

- Oops Concepts
- DocView Architecture
- ControlCustomization
- Modal Modalless DialogBox
- Multithreading
- COM
- DLL'S
- Design Pattern

EDUCATION

2015 - 2017

- **MBA(Finance)** Princeton P.G College. Ramanthapur.
Osmania University with an aggregate of **67%**

2011 - 2014

- **Degree (B.sc)** Surya Laxmi Degree College of Arts &
Science. Narayanpet withan aggregate of **66%**

2007 - 2011

- **Intermediate (MPC)** Pratibha Jr College Narayan pet
with an aggregate of **55%**

2006-2007

- **SSC Govt High School** Narayan pet with an aggregate
of **72%**

PROFILE SUMMARY

- A result oriented professional with 4.2 years of experience in development of **C++, VC++, Win32, MFC, DLL and STL**.
- Proficient in **C++/OOPS** Concepts like **Class, Object, Inheritance, Polymorphism, Abstraction, Encapsulation**.
- Hands on experience in GUI development and worked on **Modal/Modeless Dialog Boxes** of **Win32** and **MFC** Applications.
- Hands on experience of Control Customization/Sub-Classing.
- Designed and implemented dialog based as well as **SDI/MDI** (Doc/View Architecture) .
- Experience on **STL** containers, Like **Map, Vector, List**.
- Hands on experience on **Win32 DLL's & MFC DLL's**.
- Experience on **COM**.
- Good Understanding in **Window Message Map Architecture** and **Message Handling Mechanism** in **MFC library And Win32**.
- Hands on experience on **Multithreading and Thread Synchronization objects**. Like Critical Section, Mutex and Semaphore, Events.
- Having Experience on **Agile Methodology**.
- Experience on **Design Pattern**.
- Solid experience in IT industry as software engineer providing solutions using
- **Win32 SDK, MFC**.
- Effective in working independently and collaboratively in teams.
- Good Analytical thinking and problem solving skills, and willingness in learning new technologies and tools.

PROJECT DETAILS

Project Name	: Gas Stream (Integrated Midstream). Client Emerson, Pune.
Organization	: IRIS DIGITAL TECHNOLOGIES Limited(Hyderabad).
Role	: Midstream risk metrics.
Duration	: Since May 2018 to till date. Team Size 12
Environment	: C++11,C++14, VC++ , Visual Studio 2019, SQL Server 2012, Team foundation server, Case Tracker.

PROJECT DESCRIPTION

The Gas Stream product is VC++ MFC Doc/View architecture MDI application. Gas Stream 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 GATHERING STREAM :-

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.

PROCESSING :-

- Modelling Physical Constants, Dispositions
- Calculating Plant Efficiencies
- Processing Multiple Gas 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 :-

- 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

ROLES & RESPONSIBILITY :

- Analysis of the Specifications provided by the clients.
- 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
- Memory Analysis using windows leaks detector tool.
- Debugging and finding errors and bug fixing.

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