

## CAREER OBJECT

Interested in the role of a Software Engineer where I can contribute my analytical skills and knowledge acquired by pursuing my degree in Software Engineering. Looking for a dynamic and progressive company where my skills are utilized in the maximum way possible.

## EXPERIENCE

**COMPANY NAME: - BRIDGELINE DIGITAL  
PVT LTD, EXPERIENCE: - 4 Years  
LOCATION: - BANGALORE**

## EDUCATION

B. TECH  
PASSED WITH 68%.  
Bharath University, Chennai, TN.

## EXPERTISE

## LANGUAGES

C, C++, MANAGED C++,  
VISUALC++, DESIGN  
PATTERNS

## LIBRARIES

WIN 32, MFC, STL

## TOOLS

VISUAL STUDIO 2015, 2019, VISUAL STUDIO  
DEBUGGER, JIRA, BITBUCKET,  
CONFLUENCE.

## CONTACT



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Bangalore

## PROFESSIONAL SUMMARY

- Hands-on experience in developing **Dash-Boards using MFC GDI objects** (CPen, CBrush, CRegion).
- Good knowledge in design patterns - **singleton, observer, and bridge patterns**.
- 4 years of experience in C++ 11/14. STL containers, **Algorithms, and iterators, and GUI Programing** using Microsoft Foundation Class Library (MFC)
- Hands-On Experience - **OOPS Concepts Abstraction, Encapsulation, Inheritance and Polymorphism**.
- Hands-On Experience - Win32 API, MFC GUI Dialogs, Document/View Architecture.
- Good knowledge in **C++ 11 Multi-Threading/Synchronization**, ranges library and concepts.
- Good understanding of **SOLID principles**, and MFC Document/View Architecture.
- Hands on experience in **Object Oriented Programing, and Memory Management using Smart Pointers (unique\_ptr, shared\_ptr and weak\_ptr)**
- Hand-on experience in MFC Control Customization, **Modal/Modeless Dialog Box** GUI Coding.
- Good knowledge in C++ 11, lambda expressions, functors, and synchronization objects **lock\_guard, unique\_lock, and condition\_variable**.

## PROJECT DETAILS:

**PROJECT NAME:** COMARCH CUSTODY  
**CLIENT:** COMARCH SOFTWARE SOLUTIONS LLC, USA  
**ROLE:** CASH FORECASTING & REPORTING  
**TEAM SIZE:** 15  
**TECHNOLOGIES:** C++11, VISUAL C++  
**LIBRARIES:** WIN32 API, MFC

## PROJECT DESCRIPTION:

Comarch is a global power house specialized in the design, implementation and integration of advanced IT services and software. It is a comprehensive tool .it is very useful in Bank process transactions and corporate action. In Project we using MFC, VC++ and backend is SQL Server 2005.

The tool can help the Custodian recording and bookkeeping of transactions on securities kept in national and foreign depository institutions and at agents of non-public issues, processing of corporate actions and security operations, automated processing of SWIFT instructions and data exchange with depository institutions, import of transactions from bank trading and treasury systems, meeting the requirements imposed by supervisory institutions and the law.

## Modules

### Comarch: Retail Banking:

Comarch is used in retail bank and banking for micro companies. Learn about our innovative approach to multichannel banking and marketing, discover ways to start a new bank from scratch with low initial costs or find the best solutions for your Omni-channel customers.

### Retail bank: Smart Finance Multichannel:

Comarch Smart finance multichannel is Platform. By using this platform manager all bank channels and enabling cross-channel bank operations.

### Smart Finance multichannel: Self-Service Channel:

Comarch Smart Finance includes a set of standard functionalities such as accounts, payments & bills, cards, investments, profile and administration.

### Smart Finance Multichannel: Sale Process Design:

The Credit Process Management module enable bank to create, modify and manage credit application process (from simple loans to complex mortgages).

### Smart Finance Multichannel: Customer Service:

The CRM module of Comarch Smart Finance Multichannel Platform supports every-day decisions of relationship managers, whereas the Smart Rules Engine module allows for real time generation of next best offers.

### Retail bank: Comarch Banking Data Warehouse:

Owing to many years of knowledge and experience gathering and project development Comarch Business Intelligence Unit has defined a generic Banking Data Warehouse model, which can be implemented in almost any bank.

## KEY MODULES:

**User Administration:** It used for creating users and passwords or integration with central user directory (Active Directory, LDAP)

**System Administration:** It enables creating and managing access rights for system screens and functions

**Catalogue:** It stores definitions of securities, clients and counterparties, which take part in operations on securities processed in other modules.

**Trade:** It allows for registration and processing of all trades, corporate actions and operations on securities-the transaction parameter set and work-flow is customized to reflect the requirements of CSD internal operation regulations.

**Book-keeping:** It manages the account chart, booking and storing current and historical balances on system accounts

**Analysis:** It provides analyses and calculations based on settled trades, account balances and catalogue definitions i.e., portfolio valuation, taxes, fees, stock share calculations, trade or position limits, etc.

**Communication:** Processing the data exchanged between Comarch Custody and external Systems i.e. SWIFT MT5XX, financial settlement, quotation import, dealer system, reconciliation files, trades & balances extract, money laundering files

**Reporting:** Reports for regulators, client statements and customized internal reporting, a tool for automatic report generation (report queuing and scheduling) – reports can be displayed on screen, printed or saved to files.

**Dictionary:** An administration tool for defining various important system elements as client parameters, securities, accounting rules, trade work-flow, etc. – the Dictionary module can be accessed by the bank users for modification purposes

## ROLES AND RESPONSIBILITIES:

- Implemented Automatic Trade Reversal option to reverse a trade and adjust the cash balances accordingly.
- Modified Portfolio Characteristics Business object, and UI accordingly, where trade cancellations adjustments are posted real time to reflect the cash changes.
- Securities & Cash positions in RKS are updated on settlement and pay date
- Updated Cash forecasting and Reporting Module for all relevant cash events (purchase/sales, dividends/income, failed trades etc.) are captured within Comarch.
- Updated Dashboards the cash projection report is run for multiple categories – projected beginning cash balance, projected end cash balance, posted transactions and projected transactions.
- Compiling and Registering the COM DLL & #39s, and running all test cases accordingly.
- Modifying all Managed C++ Assemblies, according to the legacy DLLs modification.
- And updating the existing WPF UI screens.

G Rohith