**CHANDRA Ganabathy** [chandra.ganabathy@gmail.com](mailto:chandra.ganabathy@gmail.com) **732-804-2073** 

* About 11 years of experience in Object Oriented Programming (**OOP**), coding in **C#**, **ASP.NET MVC, Angular 6, Typescript, VB.NET, WEBAPI and SQL Server 2012.**
* Expertise in all phases of SDLC in various Internet, Intranet, N-Tier, Client/ Server.
* Extensive experience in developing Web/Win based applications, N-Tier systems.
* Expertise in **UML** using Power Designer, Rational Rose and Agile SCRUM methodology.
* Excellent knowledge in **Design Patterns, SOLID** and working experience in **Infragistics.**
* Excellent domain knowledge in **Capital Markets**.
* Lead an offshore development team.
* Good experience in **Windows Mobile and Power shell.**

|  |  |  |
| --- | --- | --- |
| Skill Name | **Last Used** | **Experience** |
| C#/VB.NET/ASP.NET/LINQ | Currently Used | 11+ Years |
| **SQL Server 2012/SSIS/SSRS/BizTalk** | Currently Used | 9+ Years |
| **WCF/ WPF/MVC 3.0/Entity Framework** | Currently Used | 5+ Years |
| **HTML5 /XML/CSS/Javascript** | Currently Used | 7+ Years |
| Power Shell/.NET Framework 4.5 | Currently Used | 2 Years |
| GIT/Team Foundation Server (TFS)/Clear case | Currently Used | 7 Years |
| UML with Rational Rose/Sybase Power Designer | 2 year ago | 4 Years |

Masters in computer Applications (MCA), Alagappa University,Tamil Nadu,India 1995-1998.

Bachelor of Science (B.Sc) in physics, M.K.Univerisity, Tamil Nadu,India, 1992-1995.

# Bank of Tokyo, Jersey City, NJ FEB 2017– Till Date

# C# 4.5, Angular 6, ES 2015, Type Script 3.2 and SQL SERVER 2012.

Risk Manager System- objective for this initiative is to replace the existing PFE(Potential Future Exposure)/TE results with an alternative Monte Carlo simulation PFE/TE performed by Risk Metrics, the external risk vendor for meeting various risk analytics needs.

**Job Accomplishments:**

* Architecting Counterparty Risk Manager for Interest Rate Derivatives, Interest rate swaps, basis swaps, caps/floors, swaptions, Cross currency swaps, FX spot, Forwards and options.
* Coded **multithreaded** functionality using **TPL** for processing different asset classes.
* Responsible for creating **object oriented domain models** for trade positions in C#.
* Built data and business validation framework using C# **Expression Trees.**
* Redesigned object based RML generation using C# classes.
* Used **Veracode** tool for finding security vulnerabilities and fixing after static analysis.
* Responsible for generating counterparty credit reports in **MS** **Excel**.
* Was involved in taking technical screening to hire other consultants.
* Worked on dismantling massive stored procedure which then converted into classes.
* Implemented **activator** based approach for creating RML models dynamically.
* Implemented State management using **Redux** (**NGRX Store**), lazy loading, custom pipes, custom directives and **observables (RXJS)**.
* Heavily involved in creating various charts to represent data using **D3**.

# Bank of America Merrill Lynch, New York, NY APR 2015– JAN 2017

# C#, ASP.NET MVC, HTML5, AngularJS, and Java script.

Transaction Management Technology supports U.S. trades processing and transaction management of securities trades on the books of MLPF&S. The team manages a portfolio of applications related to Post-Execution processing, Global Trades Repository and Middle Office Applications in support of the GMI and GWM businesses. Maintenance of these applications includes all changes and enhancements necessary to support new products, new exchanges, changes in business policy, and changes in operational environment. Because of the centrality of trade data to the brokerage enterprise, these applications interface with many other processing and reporting applications throughout all sectors of the firm.

**Job Accomplishments:**

* Extensively worked on **Equity, Option, Mutual Funds, and Fixed Income** products**.**
* Heavily worked on website development using ASP.NET/MVC, C# and JAVA SCRIPTS.
* Authored advanced unit test using **MS TEST** and **nunit** which are automated by **Jenkins**.
* **Multi-threading** used for multiple file processing and faster user responsive using TPL and wait/async.
* Coded for the trade surveillance models using Nice **Actimize**.
* Followed AGILE Scrum methodology.
* Coded for WEBAPI RESTful service which is consumed by asset service ASP.NET applications.
* Developed and consumed WCF service calls in SOA architecture for stock dividends module.

# Bank of Montreal, New York, NY FEB 2014–MAR 2015

# C# 4.5, WEB API REST, WPF, PRISM, LINQ, Unity, Telerik and SQL server 2012

CMART is a commission management application to track the commissions of various traders trading in US and Canadian instruments for Bank of Montreal. Start of Day process load trades coming from trading system which is then loaded into CMART application. User is presented with multiple reports to find the commission bucketing based on the trader level and the account level. End of Day feeds are generated by the CMART application which is then fed to the downstream systems and the clients.

**Job Accomplishments:**

* Heavily worked in **MVVM** architecture with dependency injection with Unity container and **PRISM**.
* Implemented message **protocol buffer** to stream data from the server to the client
* Extensively worked in UI for creating user controls and Telerik controls in **WPF**.
* Coding **ASP.NET WEB API** services for accessing data base.
* Writing unit test for the **ASP.NET WEB API** services using MS TEST suite.
* Designing/Writing controllers for data layer which is being called as a **RESTful** service by WPF UI.

# Bank of America Merrill Lynch, Pennington, NJ JUL 2012–DEC 2013

# WPF/C# 4.0, ASP.NET, WCF Services, Entity Framework, LINQ, MVVM, XAML and SQL server

PCOE MT (Private Client Order Entry -Middle Tier) main architectural objective is to provide conceptually unified interface to systems sending requests to it, which can be User Interface web servers, message processing services, batch processing services, or other clients. It then provides conceptually unified response to those clients. It provides single point of communication to its clients, shielding them from details of communication with various back ends, and it also allows back-end interfaces to be built unified way rather than providing different kind of interfaces to each client directly.

**Job Accomplishments:**

* Architected and coded a tool which validates **Equity, Option, Mutual Funds, Fixed Income** trades with respect to Product, Account and Trading Session timing details after submitted the trades to the exchange using **WPF** application using **MVVM** Pattern.
* Conceived and Coded for base architecture with **MVVM** pattern in **WPF** using **C#**.
* Participated in design database for the parallel application using SQL SERVER 2008.
* Worked on the base class creation from **Entity Framework** using **LINQ**.
* Developing WCF services for trade activity, exposing to **IVR** clients.
* Implemented **dependency injection** using MEF and unit testing using **MS-Test** suit.

# *J Knipper and Company, NJ* JUL 2008 –APR 2012

# ASP.NET/BizTalk/C#/VB.NET Win Services, Power shell, Crystal Report and SQL server.

Sales Support System (S3) is a Web-based enterprise solution for sample accountability. It integrates with various systems to provide a unified support for the sales forces. Transactions meet stringent regulatory standards for electronic signature, and offer real-time practitioner validation, and inventory. S3 is able to offer client-specific branding and ability to add and configure additional rules to enhance existing functionalities. S3 conforms to regulatory requirements to satisfy 21 CFR Part 11 and HIPAA compliance.

**Job Accomplishments:**

* Leading an offshore development team including architecture and best practices.
* Architecting applications interaction among various enterprise applications such as OMS and Ware house management systems.
* Architecting and implementing file movements from clients.
* Architecting and Developing **BizTalk** Orchestration and dynamic imports.
* Developed **ASP.NET/MVC** web pages using **C#** andcreated user controls in asp.net.
* Implemented **WCF** and FTP FILE Adapter for atomic file transfer.
* All the development work is implemented using **SCRUM** methodology.

# eLaw, Newark, NJ FEB 2007–JUN 2008

# Windows Mobile, C#, Web Services, Win Service, SQL server.

NJLS consists of Mobile Application, web service and windows Service. Mobile system designed to pick shipments from the customer’s place using barcodes attached to shipments. Shipment information will be transferred from PDA to local store at once it comes to the warehouse at NJLS facility. It will be synched with master store to access shipment information from the website, using windows services and web services.

**Job Accomplishments:**

* Written a **Utility** for **FTP upload** for the PDA using C#,Created a component for retrieving bar code values from the **scanned images** and update database.
* Written **Image utility** to get signature from the customer while the package is delivered.
* Developed **window services** to process the mobile data and transfer to local store.
* Successfully adapted **multiple file uploads** with progress bar using **httphandlres**.
* Designed **barcode slips** to generate barcode based on the number and read from the PDA and integrated with **ASP.NET with C#**.
* Extensively worked with **UltraWebGrid Infragistics** controls in implemented.

# DELL, Austin (Round Rock) OCT 2006–JAN 2007

# ASP.NET, C#, Web Services, SQL server, IIS, and Reporting.

# Verizon, Irving, Texas APR 2006 –SEP 2006

# ASP.NET, C#, Web services, SQL server, IIS, and SQL Reporting services.

# Crédit Agricole Corporate and Investment Bank, Singapore APR 2005– JAN 2006

ASP.NET, C#, Web services, SQL server, IIS, and SQL Reporting services.

# Custommedia sdn. bhd., Malaysia - as a Senior Developer DEC 2000 – MAR 2005

# VB, Win Forms, XML, COM, SQL server, and Crystal Report.

# Glück Solutions Pvt. Ltd., India - as a Senior Developer FEB 1999 – NOV 2000

Windows NT, ASP, JavaScript, VB, COM, ML, IIS, and MS-SQL Server.

# *Certification:*

#### Microsoft Certified Professional (MCP)

#### Certificate of completion in Nice Actimize and AIS

#### Brain Bench -- ASP.NET, C#

#### Certificate for Requirement Analysis – DOORS