**ARULNEHRU CHINNADURAI**

Jersey City, NJ| [arulnehru.c@gmail.com](mailto:arulnehru.c@gmail.com) |+1-(551)-358-9261|[in](https://www.linkedin.com/in/arulnehru-chinnadurai/)

Senior Software Engineer with ten years of experience building diverse solutions using the Microsoft stack including C#, .Net 5.0, .Net Standard, .Net Core, ASP.Net MVC, WPF, Windows Forms, WCF, Web API, Rest API and SQL Server. Decisive and results focused IT professional with notable success in timely completion of broad range of IT projects. Very well versatile in finance and banking industries.

AREAS OF EXPERTISE

* SDLC
* Agile Methodology
* Continuous Integration/Continuous Delivery
* Build Management
* OOA/OOD
* Azure Development
* Azure DevOps
* System Design Concepts
* Distributed System Designs
* Microservices

**TECHNICAL PROFICIENCIES**

Platforms: Windows, UNIX/Linux

Languages: C#, T-SQL, HTML5, JavaScript, ASP .NET, ASP .NET MVC, Angular JS

Frameworks: .NET 5.0/.Net Standard/.Net Core, WPF, Windows Forms, Web Services, WCF, REST API

Tools: Visual Studio, Reporting Services, Gitlab, TeamCity, MSBuild, Aspose, RDL, DevExpress, Infragistics, Power BI

Databases: SQL Server, MySQL

**PROFESSIONAL EXPERIENCE**

**Stone Harbor Investment Partners, New York City**

**Senior Software Engineer (with Ana-Data Consulting) March 2016 – Till Date**

* Lead Developer on an in-house application and reporting platform. Provides a single place for multiple groups such as trade support, operations, risk management and client reporting to perform day-to-day functions including reconciliation, data review, risk reporting and client statements. Built in C#/Windows Forms with Web Service/Web API/REST API and SQL Server backend.
* Lead Developer on the modern successor to the application platform based on WPF/Prism and WCF. Made many improvements on the existing screens to make it easier to manage as well as more friendly to end users.
* Development of core components and framework, including development of the core libraries, base classes, and controls. The system featured a highly extensible and customizable single or multiple value data chooser with advanced typeahead for custom data sources, column configuration, data groupings, custom or default search algorithms, and ability to save selections as lists for reuse across multiple screens. Other features included support for component-based serialization/deserialization of user-entered values and save/restore functions. Built-in filter support for stored procedures or SQL queries, relative dates (today, month end, etc.), and Boolean search.
* Built a model portfolio simulation application that allows portfolio managers and analysts to put hypothetical trades. Application allowed adding bonds from catalogs and calculated real time risk measures like interest rate risk, spread duration and yield to worst among other fixed income attributes.
* Developed a regression module that allows analysts to define variables and span. Variable supported were categorized as index level, spread or yield measures. User interface was designed in such a way that it provided flexibility with span and variable units could be normalized.
* Implemented a proprietary system where Emerging market fixed income team managed their notes on countries. Module allowed sophisticated note taking and integrated with Sustainalytics ESG REST API. Module also supported visualization of proprietary economic data.
* Optimized and supported multibillion position datasets by utilizing database partition and protobuf compression to bring up to 1 million rows back at the front end.
* Imported various market data from data vendors and stored it internally.
* Periodic simulation and testing of disaster recovery procedures for the firm’s application and infrastructure which includes full understanding of the entire production environment.

**TechnoBees Solutions India Private Limited, Chennai - India**

**Software Engineer May 2011 – March 2016**

**Software Consultant (with Ana-Data Consulting) January 2012 – March 2016**

* Built a complete Multi-specialty hospital information and management system ([Nalam+](http://nalamplus.com/index.php)) that handles complete operations of hospital using C#/Windows Forms/DevExpress/WCF/MySQL. As IMA recommended software product it’s been spin-Off as a separate company ([Nalam Healthcare IT](https://nalamhcit.com/index.php)).
* Participated in complete software development lifecycle, infrastructure building, team building, pre-sales, system design decisions and business development.
* Built components that communicated with external devices such as Biometric fingerprint, X-Ray, Scan machines and Short Messaging Service systems.
* Responsible to implement the right solutions with respective stack for the various financial client’s projects such as

**Bond Trading System -** helps bond traders with their day today activities

Technologies Used: Asp .Net MVC4, Angular JS, Entity Framework

Client: Ana-Data Consulting / Bank of Montreal

**HR Performance -** helps the management to evaluate the performance of its employees

Technologies Used: Asp .Net, DevExpress, RDL Based Reports, Database Mailing, SQL Server 2008.

Client: Ana-Data Consulting / MFA Financials, New York

**Investment Management System -** consolidates trades, security master and pricing data

Technologies Used: WPF, DevExpress, SQL Server

Client: Ana-Data Consulting / Boston based Investment Company

**Credit Review -** helps the traders maintains the statistical data for credit reserves

Technology Used: WPF, SQL Server 2008

Client: Ana-Data Consulting / MFA Financials, New York

**Aggie -** analyze the sales information with various entities like States, counties and ZIP Codes

Technology Used: WPF, SQL Server 2008

Client: Ana-Data Consulting / MFA Financials, New York

**EDUCATION & CREDENTIALS**

**Bachelor of Engineering in Information Technology** - Annamalai University, India

**PROFESSIONAL CERTIFICATION**

**MCSD** - Microsoft Certified Solutions Developer - App Builder