***PROFILE***

A dynamic, committed and customer-focused Lead Developer with 12+ years of IT experience in the full development lifecycle with Team Managing Experience. An excellent team player and a quick learner with an ability to work/deliver under pressure who seeks a rewarding and challenging opportunity in a successful customer focused team.

***SUMMARY:***

* 12 years of IT experience in analysis, design, development, and implementation of multi-tier Web, Windows & WPF multithreaded applications using C# .Net.
* Immense experience in Application Development using Microsoft technologies.
* Expertise in .Net Framework, .Net Core, MS SQL.
* Experience in front-end frameworks like JavaScript, Vue.js, Angular 2+, jQuery, Tailwind CSS, Materialize CSS, Bootstrap and Semantic UI.
* Implemented design patterns like CQRS, Singleton, Façade, and others.
* Highly inclined towards Cloud applications, Vue js & React js frameworks. Researched integration of Cloud platforms like Firebase & AWS to Vue js, React js and Azure to .Net core. Developed personal applications with this research.

**Technological Experience**

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| --- | --- |
| Skills | JavaScript, Vue.js, React.js, Angular 2+, PWA, C#, .Net Core, .Net framework, ASP .Net, ADO .Net, MVC, Razor, Web API, LINQ, Entity Framework, Unit Framework, Serverless programming, AWS Lambda, Azure functions, Google cloud functions, HTML, XML, CSS, Tailwind CSS, Bootstrap, Materialize, Semantic UI |
| Database | SQL Server, Postgres. Cloud databases: Azure, Firestore. |
| Versioning Tools | BitBucket, Github & Team Foundation Server |
| Cloud | GCP & Firebase, AWS, Azure |
| Design Patterns | MVP, MVC, MVVM, Domain Driven Design, Repository, Unit of Work, Singleton, Façade |
| Process | Agile, SCRUM, TDD |

**PERSONAL DEVELOPMENTS**:

* Active code shares to Github and Codepen

<https://github.com/gouthamrangarajan/>

<https://codepen.io/gouthamrangarajan>

* Google calendar inspired PWA app along with firestore data storage and firebase authentication

<https://calendar-b42b8.web.app/>

* A React PWA single room chat project with Firebase google authentication and Firestore data for real time listener

<https://react-superchat-8b806.web.app/>

* A PWA project using Nuxt and Firebase to display a collection of you tube videos (along with the ability to play video) and documentation of the topics Vue, Nuxt, HTML, CSS frameworks etc.

<https://weblearnings-e679a.web.app>

* A naive JAMSTACK implementation of my portfolio site with CI/CD

<https://portfolio-gouthamrangarajan.netlify.app>

* Serverless Chat application for SMS communication using Azure SignalR services. Twilio for mobile services, Vue 3 and Azure storage hosting for UI

<https://clearmessage.z13.web.core.windows.net/>

**PROFESSIONAL HISTORY**

**Ana-Data Consulting Inc.**

**Role:** Specialized Developer

**Customer:** Verisk **Sep 2020 – Current**

**Work Location:** Jersey City, NJ

**Key Responsibilities**

* **Content Manager**
  + Designed and developed serverless microservices using AWS Lambda and .Net core web API to provide data to downstream systems.
  + Developed Components in Angular SPA application which enabled users to upload word documents & convert them to pdf.
  + Developed Components in Angular SPA application which enabled users to copy document from one phase of application to another.
  + Implemented parallel & asynchronous programming to download/upload documents from/to Sharepoint & S3 which vastly improved the performance.

**Environment**: AWS, .Net Core, Angular 7, BitBucket, Postgres, Dapper .Net.

**Customer:** Bank of Montreal, New York, USA **Sep 2018 – Aug 2020**

**Work Location:** Jersey City, NJ

**Key Responsibilities**

* **RDI:** Reference Data Interfaces
  + Centralized data enrichment system built using .Net which interacts with multiple downstream to provide Security (shares) and Dividend data used by BMO capital markets.
* Developed Components in Angular 7 SPA application using Devextreme which enabled users to upload and view/edit Option trades
* Developed Web API background poller/consumer to fetch Security and Price data from upstream system.
* Built produce & consume mechanism for messaging systems like Kafka,Tibco Mq.
* Developed web application using ASP .Net Core and Vue js used by internal technical team & business analysts to interact with Web API’s to gather security and price information.
* Developed web application using Vue js and Asp .Net Core to view and download the data provided by centralized API of BMO capital markets.

**Environment**: .Net Core, Angular 7, Vue js, Kafka, MQ, SQL Server 2016, TFS, BitBucket.

**Customer:** LBBW (Landesbank Baden-Württemberg), New York, USA **Feb 2018 – Aug 2018**

**Work Location:** New York City, NY

**Key Responsibilities**

* **ClearView:**
* Enhanced and upgraded Clearview which is a Windows SmartClient application for client LBBW NY which was designed and developed using PRISM Framework (Composite Application Library), MVVM, WPF, WCF, SSIS and SQL Server. Clearview hosts multiple modules like Account Recertification, Vault, Front to Back office reconciliation and Journal Entry.
* Designed/developed UI to manage Ticklers (Lending Due reminder) which helped users in efficient handling of Tickler process
* Automated reminder email which made it possible for the user to take timely action on Loan due date.
* Implemented Dev Express UI components (Tree views, XtraGrids, Navigation bar controls etc) for rich user experience.
* Implemented Outlook inspired UI using NavBar, XtraGrid Card view and Rich text which enabled the users to track the reminder email.

**Environment**: WPF, Dev Express, Entity Framework, SQL Server 2012, SSRS, SSIS, NUnit, PRISM, TFS

Customer**: BayernLB**  **Feb 2017 – Jan 2018**

Work Location: **New York City, NY**

Lead developer for the company’s in-house accounting platforms using .NET/SQL Server technology.

**Key Responsibilities**

**Financial Reporting (FinRep)**

* This is a web application designed with .Net MVC 4, Bootstrap, and Kendo MVC used for financial adjustment of various products provided by the New York branch of the bank
* Implemented generic Export Utility for hundred plus screens which made Excel experience similar to UI Grids and also eased code maintainability.
* Implemented Web API Controllers which helped the users to access the data across systems.
* Enhanced Unity Dependency Injection to use MEF (managed extensibility framework) for layered architecture thereby helping the team with better code maintenance.
* Suggested/submitted Angular 2 Proof of Concept data table like component to replace existing Kendo UI Grids to improve response time and also to ease the user from horizontal scrolling.
* Managed configuration activities in IIS7 to help team work on parallel releases.

**Environment**: .Net MVC4, Web Api, Bootstrap, SQL Server 2012, Entity Framework, HTML, CSS, jQuery, SSRS, SSIS, IIS7, Kendo UI, NUnit, MEF (Managed Extensibility Framework), TFS

**Ana-Data Consulting Inc – Internal Projects**

**Clear HRM** - .Net Core 2 Web application using Vue Js to handle timesheet and task management.

**Clear Fern** - .Net Core 2 Web application using Google charts for visualization of data collected for vertical farming

* Implemented Domain Driven Design to accommodate separation of concern, code quality, and better code maintenance.
* Implemented Azure Active Directory authentication and authorization.
* Configure Azure Cloud to maintain database and host applications.
* Create a NuGet package to connect to Microsoft and Azure Graph API to fetch user information from Azure Active Directory.
* Implemented Vue Js user admin screens, Navigation component, router and form validation
* Implemented Individual user account authentication using Identity Server 4 which enabled the securitized communication between front end and API.
* Implemented dashboard screens using Kool Chart and High Charts for better visualization of data.

**Environment**: Azure, .Net Core 2.1, Web API, Google Charts, Vue js, Entity Framework, Dapper, Azure Db, Semantic UI, TFS

**Infosys Limited**

**Role:** Application Developer

**Customer:** Bank of America, New York, USA **July 2014 - Jan 2017**

**Work Location:** New York City, NY.

**Key Responsibilities**

**Wall Crossing Portal, Conflicts Operation (COPS) and Deal Management System (DMS)**

* Web applications designed with .Net MVC 4 Web API, Bootstrap, and AngularJS (1.6), YUI controls, jQuery used by Bank of America associates for regulatory functionalities and for brokerage in merge's and acquisitions.
* Developed client-side form validation framework using AngularJS
* Separated out server call using MVC Web API which helped to ease the communication between AngularJS platform and MS MVC technologies.
* Implemented code to consume services exposed by Tibco which helped to ease the communication between Java platform and Microsoft technologies.
* Managed configuration activities in IIS7, Https Protocol, App Pool Settings. This helped the client to set up multiple environments for parallel releases.

**Environment:** .Net MVC4, Web Api, Bootstrap, SQL Server 2012, Entity Framework, HTML, CSS, jQuery, SSRS, SSIS, IIS7, Kendo UI, YUI, Google Trim Path, NUnit, Angular, Microsoft Enterprise Library, Unity, TFS

**Customer:** Bank of America, New York, USA **July 2009 - Jun 2014**

**Work Location:** Chennai, India.

**Global Vendor Finance (GVF), Collateral Admin (CA) & Commercial Collateral Admin (CCA)**

**Global Fulfillment Solutions (GFS), Fulfillment & Global Wealth Insurance Management (GWIM):**

* Windows and WPF applications for handling the collaterals, credit fulfillment of customer loans.
* Successfully implemented WPF, MVVM & PRISM architecture pattern in building the application
* Implemented WCF service and encryption of data which helped in communication between windows application and database for fetch and update. The encryption also made the response from service call faster.
* Developed the CAB dependency injection for modularity of the application which helped to reuse the modules for enhancements
* Implemented reminder functionality involving snoozes, dismiss functionality. This made it possible for the users to view pending tasks like outlook remainders.

**Environment**: WPF, Infragistics, CAB, Microsoft Enterprise Library, SQL Server 2008, SSRS, SSIS, NUnit, PRISM, SVN

**EDUCATION**:

**Master of Science, Software Systems**, Work Integrated Learning Program, **Birla Institute of Technology India, May 2014.**

**Bachelor of Engineering,** Electrical & Electronics Engineering, **SSN College of Engineering India, May 2009.**