**RAJARAJESHWARI MUTHUSAMY**

**Professional Summary:**

* .Net full stack developer having round 10 years of experience in Design, Development and Coding of Business/Commercial applications.
* Experience on **.**Net Framework with N-tier Architecture model and design patterns.
* Extensive knowledge and experience in designing, developing, and testing of Application using Visual Studio .Net, C#, ASP.Net,
* .NET MVC,.NET Core,ADO.Net,SQL Server, Web Forms, Windows Services, WPF, WEB API ,REST API and Object-Oriented Programming.
* Expertise in Microsoft Visual Studio 2019, WinForms, ASP.NET, ADO.NET, ASP.NET Web Services, C#, .Net Framework 4.5, SQL Server, Entity Framework and LINQ.
* Designed the Front-End using ReactJS, Redux, Angular 14,HTML 5, CSS, Bootstrap, Typescript, JavaScript, JQuery, WPF Controls, XAML, JavaScript & AJAX.
* Proﬁcient in web application using HTML, CSS3, Bootstrap, Master Pages, JavaScript and JQuery.
* Experience in developing distributed applications using Web Services in C#.
* Experience in developing Microservices,JWT Token using .NET Core.
* Worked on Azure SQL Database,Azure Storage,Azure Active Directory (AAD),Azure Key Vault, Azure Service bus ,Event Grid and Azure Functions.
* Created and hosted WCF Services with diﬀerent bindings to make it available to diﬀerent clients & XAML for WPF.
* Having good experience in writing playbooks and setting up ansible towers for an application deployment.
* Having Good knowledge of SSIS,SSRS & Crystal Reports .
* Extensive work experience with Data Adapter, Dataset and Data reader as a part of ADO.NET to access and update databases.
* Experience in using LINQ to SQL, Entity Framework and ADO.NET to develop Data Access Layer.
* Having good knowledge on SOLID design principles and design patterns such as Singleton & Abstract factory pattern.
* Experience with jQuery, JSON client-side light weight programming language skills.
* Experienced in SQL for writing Views, Stored Procedures, Cursors, Triggers, code optimization and performance Tuning creating tables and Indexes.
* Utilized AWS SDK for .NET to interact with AWS services programmatically, facilitating seamless integration and interaction with AWS resources.
* Good work experience in MS SQL Server 2012,SSIS .
* Implement code version maintenance/tracking using Microsoft Team Foundation Server (TFS),SVN and Git.
* Possesses excellent communication skills and capable of working as an individual and also as a part of a team.
* Proven ability to analyze problems, root cause, and develop innovative solutions to business challenges and streamlining operations.
* Developed serverless .NET applications using AWS Lambda, leveraging event-driven architecture for scalable and cost-eﬀective solutions
* Design and develop test plans, test cases and test automation framework and Working in a TDD Environment.
* Performed functional, regression testing, support UAT, Pre Go Live testing

# Education:

Bachelor of Technology (Information Technology ), Tamil Nadu. India passed in 2012

# Technical Skills:

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| Programming Languages | C#, ASP.NET, XML, Python ,C++, SQL. PL/SQL and VB |
| Internet Technologies, Database technologies | ASP.NET, .NET Core, MVC,AJAX,jQuery, JavaScript, HTML, HTML5, ,REST API ,WebAPI,WPF, Micro-services,Entity Framework 4.0,Webforms and Win Forms, Microsoft .NET Framework, MVVM, JQUERY, IIS Web Server, XML, Web Services, LINQ, LINQ to Objects, ADO.NET, Angular 14, React JS, Node.Js & KendoUI |
| Data Base | SQL Server 2012, SSIS ,Azure SQL, AWS, MS Access, MS SQL SERVER,ORACLE, POSTGRES, NO-SQL, MongoDB |
| Application Tools | Visual Studio 2022/2019/2013/2012/2008, SQL Management Studio, LINQ, TFS, SVN and Git. |
| Cloud Technologies | Microsoft Azure ,AWS |
| Operating Systems | Windows Server 2012,2016 |
| Versioning | TFS,Git,SVN |
| Reporting Tools | SSRS ,Crystal Reports |
| Methodologies | Agile, Scrum |
| Other Tools | JIRA, Bitbucket, Confluence |

**Professional Experience:**

**Company: Publix, CA, USA Dec 2022 to Present**

 **Role: Sr Full Stack .Net Developer**

**Technology :** Dotnet Core 3.0, SQL Server, Azure Devops, Azure Functions, Micro Services, REST API,Visual Studio 2022, REACT, Typescript.

**Project: Publix EFS (Enterprise Facility System – Publix Internal Portal)** is a system which maintains store details like store hours,address, supervisor, department , sub-department details, pharmacy details like pharmacy hours, and Liquor store details. The application is basically out of .Net core 3.0 which talks with various micro services like Telecom Integration service to get the various contact details for the store, Pharmacy and liquor. Similarly, Pharmacy Integration service to get the pharmacy store details. Department service for department details, store service to get the store details and AssoicateHierrachy(AH) to get the associates hierarchy details of the store. Each subdomain is developed as a micro service with its own individual database so that any development or modification doesn’t have an impact on the other micro services. The communication between the UI and microservices happens through API calls. Deployment and source code involved the CI/CD pipeline. Code was pushed to the respective Repos and will run the pipeline for deployment to various environments like Dev, Test, Stage and PROD. The entire application was designed and developed using visual studio 2022. Designed the UI using React,Angular, Typescript Component creation.

**Responsibilities:**

* Worked as a Front-End Developer on the project with JavaScript, ES6, Angular, RESTful services, HTML5/CSS3/SASS/Bootstrap and Gitlab.
* Designed user interface for ASP.NET 4.5 applications in C#.
* Developed User Controls, used .NET web controls and improved the performance of the application by configuring the caching.
* Created login-based member’s area that displays ASP.NET pages based on access levels and assigned Roles.
* Involved in developing single-page applications using Angular developed reusable custom components using Angular with Typescript.
* Developed application using C#.Net and AJAX under Visual Studio 2010 environment. Extensively used controls such as Data Grid and Data List to populate the records for the presentation layer.
* Implemented Client side and server-side validations done using JavaScript and Validation Controls.
* Used Telerik UI/ Kendo UI/ JQuery UI Controls for building high quality windows/web applications.
* Developed Razor views with strongly typed view models and users and partial views using ASP.NET Core MVC5,HTML5, CSS3, and Angular, C # and Telerik controls.
* Experience in developing customized and distributed applications using User and Custom Controls.
* Extensively understanding in creating and managing View Models, Views and partial views using ASP.NET MVC. Proficient in LINQ for data retrieval, CRUD operations, data filtering & sorting.
* Created Web APIs using ASP.NET Web API allow new web/client projects to leverage reusable data.

**Company: Bank of America, CHENNAI, INDIA Sep 2018 – May 2022**

# Role: Sr.net developer

**Technology**: C#, ASP.NET, MVC,.NET Core,ADO.NET,react js ,Angular 6.0 ,WEB API,REST API,XML, HTML,

Javascript,JQuery,JSON,Python Windows services, Azure Services,Microservices,Microsoft SQL Server,SSIS & IIS

 **Project:**

 **XTRAC:** XTRAC is Click Once Application helps our users to reconcile the exchange and source system trades and do

Position Limits monitoring for the products we trades and triggers notiﬁcation when the limit is breached/about to breach.

# Responsibilities:

* Lead and manage .NET Click Once application & .NET CORE MVC applications in IST Schedules.
* Taking ownership of all developmental activities from design through implementation( in all phases of SDLC) , end-to-end integration, delivery, and ongoing production support
* Designed and developed various user interface pages using .NET Framework.
* Worked on REST API & windows services to perform various operations like Calculation product limits and data reconciliation from the application.
* Involved in setting up CI/CD Pipelines(Jenkins) for ansible and Creating the scheduled task in python for the retired processes.
* Experience in developing Microservices,JWT Token using .NET Core.
* Hands-on experience in React hook (State Hook, Eﬀect Hook, Ref Hook) to use state and lifecycle methods inside functional components.
* Hand on experience using React UI libraries such as Material UI, Bootstrap developing web more eﬃciently with high-quality and responsive components.
* Integrated Azure Service Bus for reliable and scalable messaging between components of .NET applications, ensuring asynchronous communication and decoupling. and worked with Azure Event Grid and Azure functions for every new product creation at IFM.
* Integrated Azure Key Vault for secure storage and management of sensitive information, such as API keys and connection strings, within .NET applications.
* Implemented authentication and authorization using Azure AD for secure access to .NET applications, enforcing identity management best practices.
* Designed and implemented Azure SQL Database solutions for .NET applications, optimizing database performance and ensuring data integrity.
* Upgrade the SSIS Packages to support the latest SQL packages and work with SSRS.
* Conﬁgured logging and monitoring solutions using AWS CloudWatch to monitor .NET application performance, detect errors, and troubleshoot issues
* Set up CI/CD pipelines using AWS CodePipeline and AWS CodeDeploy to automate the build, test, and deployment processes of
* .NET applications on AWS infrastructure.
* Integrated .NET applications with AWS managed databases such as Amazon RDS (Relational Database Service) for data storage and retrieval
* Containerized .NET applications using Docker and deployed them on AWS ECS (Elastic Container Service) or AWS EKS (Elastic Kubernetes Service) for eﬃcient deployment and management.
* Worked on ADO.NET/Entity Framework to program the data layer to read/write the data into the database.
* Prepare and support application server for contingency server switch for an application and support for the issues during the plan .
* Involved in converting deployment code to ansible using YAML ﬁles andInvolved in deploying the application to the Web Server.
* Worked on diﬀerent support requests and Bugs to enhance the applications.
* Involved in training junior team members.
* Input the migration team for their queries as an SME & worked on application migration works in Angular 10.0.
* Worked on Angular Templates, directives, Routing and navigation, Components, Services, Pipes and Data Binding, Used Angular component-based architecture to integrate services to consume RESTful API's.
* Used Dependency injection for injecting various Angular services to Angular Controllers to enable AJAX calls.
* Worked WEB API services for migration project.
* Participate in various sprint meetings. Work closely with the scrum master to estimate the eﬀort of new features.
* Interacts with users for their queries and resolving them using JIRA tickets.
* Worked in all areas of Jenkins setting up CI/CD for new branches, build automation, plugin management and securing Jenkins and setting up master/slave conﬁgurations.
* Good at developing Use case diagrams, class diagrams, sequence diagrams using UML.
* Participated in deploying web applications in web Servers IIS.

# Role: .Net developer

**Company: Verizon Data Services India Pvt Ltd. Chennai, India Dec 2016– Sep 2018**

**Technology:** MVC, Razor,C#, ADO.NET, CSS, HTML ,JSON,Javascript,JQuery, Bootstrap, WEB API ,Azure Services, IIS, SQL Server

**Project:**

**MY INFO-Nextgen-Message Hub**: My Info is the web application which handles the performance part of customer care representatives in Verizon. Message Hub creates the Alerts and notiﬁcation which will be sent to the representatives in the form of desktop alert or will be displayed in the message center part of their landing page.The users of the application are the administrators who will do notiﬁcation creation and set the start date and end date for the alert.

# Responsibilities:

* Involved in the SDLC phase of requirement analysis, design, and development of the web-based intranet application tool using Asp.Net MVC, Web API and C#.
* Used Razor MVC framework to develop razor views with strongly typed view models, helpers and partial views.
* Used Agile methodology and SCRUM to study the system, consolidating requirements, establishing inter process relation and team communication, using Agile our team developed cross functionality and distribution of requirements and understanding the current working of the system.
* Migrating System Modules from ASP.NET. TO MVC.
* Used LINQ queries to access databases in SQL Server.
* Worked as a Developer in the team for designing and developing the application using Microsoft advanced technologies MS Visual Studio .Net, MVC, SQL Server and Git.
* Designed and developed various classes to construct the business logic, interfaces using C# and SQL
* Developed WEB API for Data retrieval.
* Used Entity objects such as Data Reader, Dataset and Data Adapter, for consistent access to SQL data sources .
* Wrote and used stored procedures in SQL Server
* Used SVN for the purpose of version Control and source code maintenance needs
* Design UI of the application using Html, CSS, Bootstrap and Designed pages for web and mobile view using Bootstrap.
* Implemented CRUD operations with Web API technology as a service layer.
* Developed data interface layer using ADO.NET for data access.
* Leveraged Azure Storage services, including Blob Storage and Table Storage, for eﬃcient data storage and retrieval within .NET applications
* Designed and implemented Azure SQL Database solutions for .NET applications, optimizing database performance and ensuring data integrity.
* Designed tables, constraints, necessary stored procedures, functions, triggers and packages using SQL
* Conﬁgured Web.Conﬁg for application as well as IIS settings
* Responsible for debugging and maintaining the managed .NET libraries
* Prepared SQL Queries and written Stored Procedures and Database triggers in SQL
* Solved the coding and technical problems during the project implementation.
* Responsible for designing, bug ﬁxing and involved in deployment and support activities.
* Implemented Unit Testing using Nunit.
* Perform functional, regression testing, support UAT, Pre Go Live Go Live testing

# Role: Associate Professional Product Developer

**Company: CSC India Pvt Ltd, Chennai, India. Sep 2015– Nov 2016**

**Technology :** C#, WPF,MVVM,WCF, Javascript,JQuery, CSS, SQL Server 2005.

# Project:

**Lorenzo - Electronic Patient Record :**Lorenzo is an electronic Patient record management System, a web based application which is comprehensive enterprise-wide software, which covers all aspects of Care Management and Clinical Management such as Inpatient, Maternity and Theater vice versa.

Maternity deployment units provide complete care management facilities such as monitoring and diagnosis of mother health from antenatal to postnatal.

# Responsibilities:

* Involved in full software development life cycle phases.
* Created WPF forms & MVVM for UI and Javascript for validation.
* Used Javascript. Worked on presentation, business and data access layer.
* Unit testing and Bug ﬁxing across the pages of the application.
* Used Innovative validation techniques for User Input Validations.
* Widely used JavaScript for Client Side Validation
* Involved in the designing the HTML and developing CSS, Skins for the site
* Written SQL Queries, Stored Procedures, creating database Tables using SQL Server.
* Created and hosted WCF Services with diﬀerent bindings to make it available to diﬀerent clients

# Role: Analyst Programmer

**Company: Ramco Systems Pvt Ltd, Chennai , India. June 2014– Sep 2015**

**Technology :** C#, SQL Server 2005, Visual Studio 2012, IIS and Crystal Reports.

# Projects:

**SVN Automation for Patch Building**: A windows form application,Which designed to pick the deliverables from various Locations in the SVN as the Logic Described in the separate user input XML File and SVN Credentials given by the user and Process them and Deliver them to the User in a speciﬁc Folder Structure.

**Schema Migrator and Generator :** A windows form, changes the EDK Schema structure to be compatible with the IEDK Runtime. Changes are applied to WebXml, ServiceXml, StateXml and Html Files And Additionally the Service dll’s route has changed so that it can handle the Schema changes while processing the both EDK and IEDK.

# Responsibilities:.

* Created Windows applications using C#.
* Unit testing and Bug ﬁxing across all the pages of the application.
* Troubleshoot and resolve bugs in .NET applications .
* Used C# parallel threads .
* Written SQL Queries, Stored Procedures, creating database Tables using SQL Server.
* Worked on Crystal reports maintenance tasks.
* Worked to enhance the N-tier .NET ERP application in C# .
* Used Fiddler tool & Google Chrome extension POSTMAN for testing services & ERP endpoints.