manju RATHAN

(732) 783 8910

[rathan@msn.com](mailto:rathan@msn.com)

## SUMMARY

* .NET developer with 8+ years of Software Development experience, have strong programming skills spanning in .NET Framework 4.5/4.0/3.5/3.0, C#, ASP.NET, ASP.NET MVC 3.0/4.0, SQL Server 2012-2000, Web Services, WCF, WEB API, LINQ, ADO.NET, Entity Framework, SSRS, XML, IIS, VS.NET to develop object oriented web-based and client-server applications with three tier/N-Tier architecture.
* Experience in UI design for the web with non-Microsoft.NET technologies like Open Source Frameworks such as DotNetNuke (DNN) Ver. 4.0+ in C# to create Skins, Containers, Modules with SQL Server as the backend, Bootstrap Framework, AngularJS, KnockoutJS, Ajax, XML, XSLT, XPATH, jQuery.
* Expertise in relational data modeling using T-SQL (SQL Server) to design/develop Database Tables, Indexes, Cursors, Complex Queries, Stored Procedures, Views, Triggers, User Defined Functions, Temp Tables, Complex Joins, Schemas.
* Good working experience in XML Technologies – XML, XSL, DOM, XSLT, XPATH, SOAP and WSDL for data sharing/data migration and reporting.
* Experience in implementing SOA web services for creating, consuming and publishing XML Web Services using WCF, WEB API using .NET Framework.
* Good working experience with ADO.NET objects such as SQL Connection Objects, SQL Command Objects, Dataset Objects, Data Reader Objects and Data Adapter Objects in Web applications and Win form applications.
* Experience in creating Entity classes, relationships between entity classes using LINQ (Language Integrated Query) to SQL to manage relational data as objects.
* Good Experience working with LINQ and Entity Framework to design/develop the Data layer.
* Experience in Unit Testing using NUnit and Version Control tools - Visual Source Safe (VSS), Team Foundation Server (TFS).
* Worked on development and maintenance (production team to solve support tickets) /enhancement projects covering all the steps of (SDLC) Software Development Life Cycle.
* Experience with Test-Driven Development (TDD).
* Good Understanding of all the phases of Software Development Life Cycle (SDLC) such as analyzing, designing, coding, testing and documentation of software products.
* Has the ability to understand and transform business requirements into software, ensuring applications are delivered on time, to specification, are scalable, performance optimized and maintainable.
* A highly motivated programmer who is always looking out to learn new technologies, able to work in tight schedules, and who can communicate effectively with technical peers as well as business clients and users.
* A quiet achiever; calm and focused highly motivated and enthusiastic developer. Able to use own initiative and work as part of a team under pressure to meet deadlines and objectives. Excellent communication and organizational skills, a strong work ethic and determination to succeed. Enthusiastic learner, eager to meet new challengers and get ahead in the IT industry.

**EDUCATION**

* Master’s Degree with specialization Internet Applications from University of Luton - UK.
* Bachelor’s Degree with specialization Computer Science from VEC - Tamilnadu – India

**KEY SKILLS**

**Core Skills –**.NET 4.5 - 2.0, C#, ASP.NET, ASP.NET MVC 3.0/4.0, LINQ, Web Forms, Win Forms, WEB API, Web and WCF Services.

**Web Technologies –** ASP.NET MVC 3.0/4.0,ASP.NET Web Forms, HTML 4/5, CSS 2/3, JavaScript, AJAX, XML, XSLT, XPATH, SOAP, WSDL, SOA, REST, JSON, AngularJS, jQuery, Bootstrap, KnockoutJS.

**RDBMS –** SQL Server 2012 -2000, MS-SQL/T-SQL, ADO.NET, Entity Framework, LINQ TO SQL, MySQL, Oracle 10g, MS Access

**Web Servers –** Windows 2012 R2, IIS 7/7.5/8

**IDE Tools –**Visual Studio 2005 to 2013, SQL Server Management Studio.

**Version Control –** Team Foundation Server (TFS), Visual Source Safe (VSS)

**Development Methodologies & Documenting –** Sure Step, Agile, Test DrivenDevelopment, Technical Design Document (TDD)

**Reporting Tools –** SSRS.

**Other Skills** – Requirement Analysis, Web Design Prototyping, Usability Testing, Unit Testing.

**PROFESSIONAL EXPERIENCE**

**Client: C.A.R.E (Core Augmented Reality Education),NJ Nov ‘14 –Current**

**Role:** Sr. C#, ASP.NET Developer

**Environment:** C#, ASP.NET, MVC 4.0, SQL/T-SQL, XML, IIS7.5, SQL Server, VS 2013, WEB API, ADO.NET, HTML 5, CSS 3, Bootstrap, jQuery, AngularJS, TFS (Team Foundation Server), SSRS, Visual Studio.NET 2012, Windows Server 2012.

**Responsibilities:**

* Working as a Sr.NET developer and SSRS Report developer for the C.A.R.E project.
* System design and implementing of C.A.R.E workflow web application for managing marketing offers/subscriptions/price plans.
* Designed UI layer using HTML 5, Bootstrap Framework, AngularJS and CSS 3.
* Involved in the SPA Framework implementation that utilizes jQuery and AngularJS (all routing, data access, caching, filters etc... implemented as custom JavaScript Code).
* Creating scalable and loosely coupled models/component in AngularJS and linking using individual controllers.
* Used n-tier architecture for the Presentation layer using ASP.NET, Business Layer using C# and Data Access Layer using ADO.NET Entity Framework.
* Developed module which deals with validating user, changing passwords and searching of C.A.R.E product information depending upon priority of user in site using ASP.NET.
* Archive process (SSRS), emulated monthly statements so snapshot of statement can be captures at any time in between periods to show all transactions to date.
* Effectively handled ASP.NET Client side state management features such as view state, control state, hidden fields, cookies and query strings.
* Used Data Contract as the standard mechanism in the WEB API for serializing .NET object types into XML.
* Created Stored Procedures to extract data for generating reports by using SQL ServerReporting Services (SSRS), Triggers, Indexes and Views for performance tuning and retrieval of data.
* Effectively used jQuery for traversing HTML document, event handling and AJAX interactions.
* Used ADO.NET objects such as Data Reader, Dataset and Data Adapter, for consistent access to SQL data source.
* Extensively used Report Wizard, Report Builder and Report Manager for developing reports and deploying reports in SSRS.
* Involved in Coding and Tuning the queries, stored procedures and functions as required by the functional design document (FDD).
* Involved in bug fixes as reported in Bug Tracking tool while testing the application and maintenance/updating the code in Team Foundation Server (TFS) version control.
* Understanding Functional design document (FDD)and writing Technical design documents (TDD) to help the end user.

**Client: BRAND - Energy & Infrastructure Services.** India **May ‘13 – Oct ‘14**

**Role:** .NET Developer

**Environment:** C#, .NET Framework 3.5, ASP.NET, MVC 4.0, MS Visual Studio 2012, XML, Visual Source Safe (VSS), ADO.NET, HTML, T-SQL, WEB API, Web Services, XML, JavaScript, AJAX, AngularJS, XSLT, IIS, LINQ, WCF, T-SQL, SQL Server.

**Responsibilities:**

* Involved in all the phases of the Project Life Cycle and also analysis of the system based on n-tier architecture.
* Worked in an Agile Environment to deliver higher quality application far more rapidly.
* Designed and developed Web Forms using ASP.NET Controls, CSS and HTML to facilitate the registered users.
* Extensively used user controls like Page Header, Page Footer, Errors Summary and Navigation Control in all the Webpages using ASP.NET (3.5).
* Incorporated many rich, user friendly, responsive features in the application using .NET Framework, AJAX Library, AngularJS, CSS, and JavaScript.
* Creating scalable and loosely coupled component in AngularJS.
* Used Custom Validations and User Validation to give access to registered users.
* Created database objects using SQL Server which included Stored Procedures, Triggers, Tables, Views, SQL Joins and Statements for application.
* Used Data Grids, Data Sets, Data Views, and Data Adapters to extract data from the backend.
* Developed WEB API Services for user authentication and file transfer using .NET (SOAP/XML).
* Involved in updating the configuration files as required by the application in App.Config and Web.Config.
* Used X-Path, XML Node to access files and XML- Data Document to synchronize with Datasets.
* Extensively used Grid Views sorting and paging.
* Used LINQ for querying SQL Server objects.
* Created unit test methods for testing the developed services and ensured the code was developed according to the client coding standards.
* Used Visual Source Safe (VSS) for version and Source code control.

**Client: The Nairobi Women’s Hospital,** - India  **Dec ‘11 – Apr ‘13**

**Role:** Application Developer

**Environment :** ASP.NET, C#, SQL Server, SSRS, Visual Studio 2008, XML, Ajax Toolkit, Web Services, TFS.

**Responsibilities:**

This is the implementation project - Maintenance System of The Nairobi Women’s Hospital, which involved in modifying forms, creating reports, classes, queries and data dictionary objects for the Project Involved.

* Worked in an Agile Environment.
* Involved in understanding the requirements and application coding using C#, ASP.NET.
* Incorporated ASP.NET AJAX Controls like Script Manager, Update Panel and Ajax Timer into the ASP.NET Web Forms as per the requirement guidelines.
* Designed Web Forms and used Master Pages, Server controls, CSS, JavaScript, HTML.
* Involved in a significant role for UI design/development using ASP.NET, HTML and XML.
* Used Tab Strip, Dropdown, Menus and Web List Bar Controls for .NET to customize the look and feel of the application using ASP.NET.
* Created new database objects like procedures, functions, triggers, indexes and views using PL-SQL in development and production environment for SQL Server.
* Used dataset, data reader, data view to read data using ADO.NET objects.
* Used grid view to display data in a well-defined manner arranged in multiple tabs with sorting, paging, export to excel.
* Used Session variables and Query String to manage state from one page/tab to another.
* Deployed and hosted the application on Microsoft IIS.
* Ensured all the code versions are properly maintained in the TFS.

**Client: Airtel,**- India  **Mar ‘10 – Nov ‘11**

**Role: C# Developer**

**Environment :** ASP.NET 4.0, .NET Framework 4.0,Visual Studio 2008/2010, C#, Windows

Server 2008, SQL Server 2008, T-SQL, ADO.NET Entity Framework 4.0,

JavaScript, XML, AJAX Toolkit, SSRS

.NET developer with Airtel CMS (Content Management System) team. This is an intranet portal with CMS functionality, Collaboration & Communication, Employee Self-Service, Work-Flow mechanisms and reporting modules for their users groups that includes relationship manages, agents, center heads, regional heads, national heads and operational personals all over the country to interact.

**Responsibilities:**

* Involved in designing CMS (Content Management System) using ASP.NET based on the FDD (Functional Design Document) and C# as business logic.
* Developed Custom Controls using Grid View which supports Custom Paging, Sorting and Filtering.
* Incorporated ASP.NET AJAX Controls using AJAX Toolkit to the CMS Portal functionality.
* Adding the Portal functionality with C#.NET, ADO.NET and JavaScript.
* Used ADO.NET as data-access middleware for retrieving data and updating records in the SQL Server database.
* Developed various interface screens using Win Forms, ASP.NET and HTML Controls for Client-Server interaction.
* Used Session State, View State, Cookies and Query Strings to persist and transfer data between pages.
* Extensively used ASP.NET, C#.NET, Validation Controls and JavaScript for client side validations on the Web pages.
* Implemented the List reports with filter, Detail view using AJAX with ASP.NET web pages.
* Involved in report generation using SSRS (SQL Server Reporting Services).
* Implemented the Intranet Portal (CMS) as a multilingual website and displayed culture specific context from SQL Server database as per cultural setting in browser.
* Involved in Unit Testing, System Testing, and Performance Testing of the Intranet portal.

**Client: Electronic Data Systems (EDS)– HP, Columbus, OH July ‘07 – Dec ‘08**

**Role :** MMIS ASP.NET, C#Application Developer

**Environment :** C#.NET, ASP.NET 2.0, DotNetNuke 4.0, Visual Studio 2005/2008, XML,

Oracle 10g, SQL Server 2005, iTrace (MMIS Data Document Repository),

Clear Quest, ClearCase

EDS, presently an HP Company provides software and support to implement **MEDICAID MANAGEMENT INFORMATION SYSTEMS (MMIS)** to various state governments in US. The project, Interchange MMIS facilitates the management and administration of government health programs. A system composed of more than ten subsystems for the general design of Title XIX systems as defined, outlined, and documented by the Department of Health and Human Services. The payment and management of health care claims is a primary function of Interchange MMIS. The Interchange MMIS is centered on transaction-driven health care, allowing for the fastest, easiest solution available. Interchange MMIS has two main components – a batch processing system that runs on UNIX which is written primarily in C, and an online system that is web-based and is written primarily in C# and ASP.NET.

**Responsibilities:**

* Involved as a .NET Front end developer in the OHIO State MMIS development team, which developed online Web-based Application system using C# & ASP.NET.
* Involved in understanding and analyzing the client’s (ODJFS) requirements and GUI design of the application for UI.
* Worked on EPSDT (Early and Periodic Screening, Diagnosis, and Treatment) and PA (Prior Authorization) Subsystems.
* Involved in writing the business logic for the EPSDT and PA CO’s in C#, .ascx (User Controls), XML files.
* Worked on DotNetNuke which is an open source framework and having strong experience in installing and maintaining the local host portals in the DNN.
* Developed dynamic ASP.NET user controls and loading the controls onto the container of DotNetNuke web panels.
* Developed various Client side and Server side validations for various fields on the MMIS Panels.
* Conducted periodical code reviews and walkthroughs with the testing documents before promoting the source code to the repository.
* Was involved in defect resolution of the iTrace document repository (.asp files).
* Involved in Requirement validation and Joint Application Design sessions with ODJFS client for EPSDT.
* Prepared Mockups for EPSDT and PA subsystems to be shown the client (ODJFS) as to how the end result will be after the development work based on the assigned Change orders.

**Client:** Virginia Mason Hospital and Medical Center, Seattle, WA **Nov ‘06 – June ‘07**

**Role :** C# Developer

**Environment :** Visual Studio 2005, WebForms, C#.NET, ASP.NET, ADO.NET,

SQL Server 2005

Worked on a project involving the security system for the Department, Identity Security Group (ISG).The functionalities of the project are developing entry screens for entering the security information of the patients who visit the hospital. It is a web form based application. The Security Form Maintenance Screen contained the following information like, Security Id (Generated), Question, Answer Type, Location, Components, Dependency, Help Link for which the user is asked to select and submit. The screens involved addition and maintenance of records.The application was developed in Visual Studio 2005 using ASP.NET and C#.

**Responsibilities:**

* Understanding the day to day user requirement and analyzing the business requirements and providing technical solutions by doing the code alteration and bug fixing to suit the business requirements.
* It is a WebForm based application.
* Interacting with user department, requirement collection and analysis.
* Developing the application using ASP.NET and C# as the code behind for Security Maintenance Screen.
* Used various ASP.NET Server Controls for user interaction which included datasets, data tables, drop down lists, data grids, data readers, validations, SQL data connections, adapters.
* All members of datasets were used extensively in the program.
* Involved in Unit Testing, Test cases creations and documenting the results.

**Client:** Tripwire Solutions, Luton, UK  **Apr ‘05 – Jun ‘06**

**Role :** Software Design Engineer

**Environment :** C#.NET, ASP.NET, XML, SQL Server 2000, ADO.NET

Involved in developing an Employee Information Service Consolidation (EISC) application that enables an employee to view his/her related information upon logging in to a portal through a single sign on facility, with user-friendly front-end interfaces for creating, updating and viewing employee records like contact information, time-card entry, earnings, taxes, retirements accounts, holidays, insurance plans etc. without having to login to different websites for each service.

**Responsibilities**

* Created database structure in SQL Server for various employee information updating forms.
* Created Web-forms using ASP.NET Framework that can be directly used by HR for creating new employee accounts without IT involvement.
* Analysis of existing structure of the various websites and coordination of seamless authentication between EISC application and other service sites, which required extensive co-ordination with other database managers.
* Wrote code-behind/business logic in Visual C#.
* Extensively used Validation Controls for client side validations and implemented Server Side Validation.
* Improved the application performance using stored procedures using SQL 2000 as the backend database.