**Pradeep Renganathan,**

**.NET developer**

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**SUMMARY:**

* Software Professional with over 7 years of experience in back-end web development using **C#, ASP.NET CORE, Entity Framework, Dapper, SQL** as a technology stack.
* Experience in developing N-tier web applications using **Visual Studio 2008/2010/2012/2013, C#, ASP.Net 4.0/4.5/5.0, WCF, WPF, Web API, XML, SOAP, Microsoft .Net Frameworks.**
* Worked across various stages of Software development Lifecycle such as Planning, Requirement Analysis, Design, Development, Testing, and Implementation.
* Strong experienced in **Object Oriented Programming** Concept. Worked with Design patterns like Singleton, Dependency Injection.
* Proficient in DML and DDL DB operations with a keen eye for analytics and in-depth practical exposure to Agile and Scrum methodologies
* 5 years of work experience with various **.NET frameworks, .NET Core** and knowledgeable in WPF, WCF, LINQ, MVC.
* Experienced in working on various **Trade Engines and trading systems.** Good knowledge on **FIX and IB** trading.
* Ability to develop Multi-tier application.
* Experience in creating Server objects like Tables, Stored Procedures, Views, Indexes, Triggers, Cursors, user defined data types and functions.
* Ability to work in a **Test-Driven Development** using Moq and Nunit testing and other visual studio testing methodologies.
* Excellent experience in implementing **Web Service, WCF, REST service**s which communicate data in a both XML & JSON.
* Excellent knowledge of Microsoft Entity Framework and MVC. MVC Scaffolding and MVC Razor Syntax to quickly build applications that leverage the MVC design pattern.
* Proficient in developing micro-service APIs.
* Experienced using various Versioning Tools such as GIT, Team Foundation Server (TFS).
* Experience of RDBMS and Developed Constraints, Join, Views and Triggers in SQL Server including writing views, Stored Procedures, Functions, Cursors and Triggers for search and accessing data from various databases.
* Detail Oriented with excellent communication and presentation skills.

**Education:**

Master of Science, Management Information System,

University of South Florida, Tampa, US Aug 2016-Dec 2017

Bachelor of Engineering, Electrical and Electronics Engineering,

 Anna University, Chennai July 2008-June 2012

**TECHNICAL SKILLS:**

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| **Programming Languages** | C#, MVC, Web Services, WCF, C++, C. |
| **Database Management Systems**  | MS SQL Server 2012/2008R2/2008/2005, Oracle 10g/11g.  |
| **Framework** | ASP.NET 4.5/4.0/3.5/3.0, ASP.NET Core, Web Services, SOAP, XML, HTTP, JSON, REST services. |
| **Version Control**  | MS Visual SourceSafe 6.0, Team Foundation Server, SVN , GIT |
|  **Business Intelligence Tools**  | SSRS, SSIS, Crystal Reports 7.0 |
| **Operating System**  | Windows 98/2000/XP/7/8, 2003/2008 Server |

**PROFESSIONAL EXPERIENCE:**

**Client: SMArtX Advisory Solutions, FL, USA**  Oct 18 - Jan 21

**Software Developer**

SMArtX Advisory Solutions is a leading innovator in unified managed accounts (UMA) technology and architect of the SMArtX turnkey asset management platform (TAMP).

* A core member of backend development team, contributing in day-to-day operations of the Trading team, supporting for a smooth functioning of trade engines.
* Designed and developed feature enhancements of the Trading engines meeting Business Requirements which includes monitoring requirements and smooth integration of new clients.
* Applied best design practices and designed reusable components following **OOPS concepts**.
* Enhanced existing web services projects to interact better with downstream portfolio services.
* Created **REST APIs** which are consumed by the front-end team and supported UMA activities.
* Improvised application performance by migrating existing **EF ORM to Dapper**.
* Writing the Contract models, Domain models to consume the REST Services and mappers to map between contract models and domain models.
* Knowledge in **FIX trade engines and FIX protocols.**
* Improved defect containment by reducing regression defects resulting in enhanced application stability.
* Integrated **AWS Cloud Watch** services for effective application monitoring and logs tracking.
* Performed **Unit Testing (NUnit and Moq framework) and Integrations testing** of the code to ensure the code changes are fail-proof.
* Wrote complex **stored procedures and SQL queries** using SQL Server for extracting, inserting, and manipulating the data.
* Involved in Maintenance, enhancements and the production support for the existing application which require complicated debugging and bug fixing.
* Performed code reviews for peers to ensure code-integrity.

**Environment**: Visual Studio 2019, .Net Framework 4.6, .Net Core, C#, WPF, Linq, MS SQL Server, GIT, Dapper.

**Client: Comcast , FL Oct 17-Oct 18**

**.Net developer**

* Developed ASP.Net Web service, Web Application and Windows application using C#.Net in .Net framework with Entity Framework.
* Worked in various phases of the SDLC such as Design, development, and testing of the applications.
* Used Model View Controller (MVC) architectural Design patterns for the development of the product.
* Designed and developed a three-tier application with UI in the presentation layer, Business logic in the middle layer and Database activity in the third layer.
* Created Business Logic Layer & Data Access Layers to implement the MVC architecture. Implementation of client-side validations using ASP.NET MVC Validation.
* Worked with Web API for building Restful applications on the .Net Framework.
* Created Stored Procedures, Views and Functions to meet the data requirements.
* Performed Unit testing and Integration testing to ensure the code meets the client requirements and are fail proof.
* Used LINQ to aggregate data from repository layers.
* Worked on fixing various bugs and issues to ensure the continuous functioning of the applications.

**Environment**:.Net Framework, ASP.NET MVC5, C#.Net, .Net Core, Visual Studio, Web API, SQL Server, WCF, LINQ, Git, Entity Framework, IIS, Agile Methodology.

**Client: United Health Care, FL, USA Aug 16-Oct 17**

**.NET developer**

* Developed web application using .NET framework, .NET core and implement logic using C# and OOPS concepts.
* Developed web application using N-tier architecture and dependency injection.
* Used Validation Controls in ASP.NET MVC and developed custom validation controls for validating views.
* Involved in Software Development Life Cycle (SDLC) including analysis, design, development, and testing of the project.
* Developed C# components to implement the business logic, consumed instances of these using ASP.NET
* Involved in Debugging and Supporting the application and Performed Unit Testing and integration testing (using NUnit).
* Worked with Web API for building Restful applications on the .Net Framework.
* Wrote test cases by understanding each API and considering all the possible scenarios as per the client expectations.
* Created tables views and developed Stored Procedures, functions, and triggers to perform data extraction and manipulations using MS SQL Server.

**Environment**:.Net Framework, ASP.NET MVC5, C#.Net, .Net Core, Visual Studio, MS SQL Server, Web API, WCF, LINQ, Git, Entity Framework, Git, Agile Methodology.

**TATA CONSULTANCY SERVICES Feb 13-July 16**

**Systems Engineer, India**

**Helpdesk Web Application:**

Web based application helps the users to save new details such as Customer details, Bookseller, Publishers, Books, etc.

* Designed and Developed high quality Web Application **using C# and ASP.NET Entity Framework** and **MS SQL Server**.
* Implemented **CRUD** functionality with Entity framework in **ASP.NET MVC 5** and applied sorting, filtering, and paging with Entity framework in MVC.
* Analyzed the business requirements and functional specifications document and assisted in the preparation of System Requirement Specifications.
* Worked alongside Project Managers and QA team to formulate the requirements during planning meetings by understanding business stakeholders' needs.
* By using **Entity Framework and LINQ** for querying database, improved performance of CRUD operations
* Achieved 40% performance gain by automating processes of adding customers, publishers, and new books.
* Applied Custom validations to handle changing Business demands using .**NET validation** controls.
* Worked on the middle-tier and backend of the application.
* For a real-time audit trail, created custom stored procedures and triggers for instantaneous updates.
* Part of the testing team throughout the project life cycle performing automated product testing along with regression testing and ensured that the testing results corresponded to the business requirements.
* Extensively worked in **Agile environment** and led the sprint planning by tracking the Epics and stories using JIRA.

**Environment**:.Net Framework 4.5, C#, ASP.NET, MVC, REST web services, SQL Server 2012, Team Foundation Server.

**Payment Application:**

Web based application that helps in accepting payments for the orders through website.

* Lead a 3-member team and developed a payment web application from scratch.
* Participated in various clients and worked on the requirement gathering and design processes.
* Created various documentations such as Requirements, Design, Test Plans, Functionality etc.
* Implemented the project using **ASP.NET, C#, and back-end database as Microsoft SQL Server** 2012
* A chief contributor in envisioning application architecture and generating technical design.
* Successfully implemented REST API services to interact with payment gateway APIs.
* Used Agile practices and Test-Driven Development (TDD) techniques to provide reliable, working software early and often.
* Involved in code peer review, system regression and unit testing using Nunit.

**Environment**: .Net Framework 4.5, C#, ASP.NET, MVC, REST web services, SQL Server 2012, Team Foundation Server.