**Divya Rani**

**Full Stack .Net Developer**

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**PROFESSIONAL SUMMARY:**

* Overall 10+ years of experience in Analysis, Design, Development, Implementation, and Testing of Web Based, Client-Server, and N-Tier Architectures in E-commerce, Insurance, Retail, and Banking domains.
* Experience with Microsoft .NET/C# programming (including .NET 4.8/4.7/4.6/4.5/4.0 and .NET Core 6, ASP.Net Core 3.1/2.X/1.X).
* In-depth experience in the design, development, and deployment of N-tier web applications using C#, ASP.NET, ADO.NET, Angular Versions, jQuery, Web API, Entity Framework, Web Services, and MVC.
* Hands-on experience in design using Object Oriented Programming principles like Encapsulation, Inheritance, Polymorphism, Abstraction, and design patterns like Singleton, MVC.
* Extensive working experience in developing User Interface (UI) Rich Web Applications and Web Service applications using front-end technologies like Angular (15/13/12/11/10/9/8/6/4/2), HTML5, TypeScript, NodeJS, and the Bootstrap Framework for responsive UI.
* Experience in creating WCF Services using different protocols, Data Contracts, Fault Message Contracts, Message Exchange Pattern, and Instancing Modes.
* Strong hands-on programming, design, understanding and deep functional experience in creating, deploying and consuming XML Web Services, WCF services, RESTful Services and Web API.
* Good exposure of Object-Oriented analysis and design, Searching and sorting techniques, data structures and algorithms.
* Experience with code-first approach and database-first approach of Entity Framework.
* Solid experience in developing Single Page Applications (SPA) based on client-side JavaScript framework AngularJS, and backbone employing ASP.NET MVC and Web API.
* Extensively used LINQ (LINQ to XML, LINQ to SQL), ADO.NET Entity Framework, ADO.NET and T-SQL in developing Data Access Layer.
* Expertise in Implementing Lambda expressions or LINQ Query Expressions for standard query operators that allow traversal, filter, and projection etc.
* Experienced in building animations for desktop applications using Windows Presentation Foundation (WPF) and Extensible Application Markup Language (XAML) files in Visual Studio and Expression Blend.
* Good experience in design, modeling and development of Databases MS SQL Server (T-SQL), PL-SQL and implementation of database objects like Tables, Views, Stored Procedures, Functions Triggers and Cursors.
* Experience working with Microsoft Azure Cloud based IAAS, PAAS, and SAAS.
* Proficient in developing REST Services and integrating them with Client-Server Architecture. Implemented several REST Services with NodeJS as Backend and Angular as Frontend.
* Experience in developing ASP.Net Web Custom Controls, User Controls, and rich GUI with extensive use of AJAX Toolkit, CSS, and Master Pages.
* Experience in working with .NET Remoting, Multi-threading, Assemblies (Private, Shared, and GAC), IIS, and Serialization.
* Experience in developing User Interface (UI), Business Logic, and Data Access Components to meet user requirements.
* Expertise in the assessment and rationalization of applications migration from on-premises to Cloud (Azure) environments.
* Experience in Object-Relational Mapping using ADO.NET, Entity Framework, LINQ to SQL, LINQ to Objects, and Lambda Expressions used in LINQ.

**TECHNICAL SKILLS:**

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| **Languages** | C# .Net, JavaScript, Typescript |
| **Microsoft Technologies** | .Net Framework 4.8/4.7/4.5/4.0/3.5/2.0, .Net 6/5, ASP.Net MVC 6/5/4, .Net Core 6.0/5.0/3.1/2.x, ADO.Net, LINQ, Web Forms, Windows Forms, WCF, WPF, Web API, MSMQ, WWF, Windows |
| **Web Development Tools** | Angular 1513/12/11/10/9/8/7/6/5/4/2, JavaScript, jQuery, HTML5, CSS3, Bootstrap |
| **Databases** | Microsoft SQL Server 2014/2016/2017/2019, Oracle 10g, 11g, MYSQL, Mongo DB |
| **Reporting Tools** | SQL Reporting Services (SSRS), SSIS, Crystal Reports, Telerik Reporting. |
| **Testing & Deployment** | NUnit, Unit Test, MS Build |
| **Source Control Tools** | TFS, VSS |
| **Cloud** | Azure |
| **CI/CD** | Jenkins |
| **Platforms** | Windows, iOS, Android |

**PROFESSIONAL EXPERIENCE:**

**United Healthcare | San Francisco, CA May 2023 to Present Full Stack .Net Developer**

**Responsibilities:**

* Contributed to the collaborative and iterative development process by participating in Sprint Planning, Daily Scrum, Sprint Review, and Sprint Retrospective meetings.
* Enhanced application security, performance, and maintainability using .NET 5's advanced features.
* Provided seamless communication between client and backend applications through ASP.NET Web API 2 and C# RESTful APIs.
* Developed an integrated n-layered web application using .NET, .NET Core 6.0, C#, Oracle, SQL Server, ASP.NET Entity Framework, Angular 15, and Angular Material.
* Utilized REST APIs using .NET Core/ .NET Framework and deployed them using Azure Portal. Used HTTP Client to create, edit, and display data. Also, I worked on enabling filters to get the required data.
* Ensured optimal user engagement within ASP.NET MVC 6 applications through HTML5, CSS3, Angular 15, and Bootstrap.
* Provided interoperability and integration via Service-Oriented Architectures (SOAs) in ASP.NET MVC 6 applications.
* Integrated Azure Blob Storage seamlessly within ASP.NET MVC 6 applications, providing a reliable and scalable solution to store and retrieve large files.
* Created View Models to encapsulate all models and classes used on the different views for more organized cleaner code.
* T-SQL query creation, implementation and optimization for reporting and database design and management.
* Deployment of Web services for online transactions using C# and exposed them through SOAP and HTTP.
* User interface (views) design and development with HTML5 and MVC4 helper methods. Implemented Views and Partial Views.
* Implemented add, edit, update, delete functionality with jQuery and AJAX requests handling information in JSON and/or XML format when needed. Implemented client-side validation through JavaScript, jQuery.
* Designed and developed UI layers using ASP.NET MVC, Razor Views using Visual Studio 2008 and .NET framework.
* Configured Azure Application Insights to capture telemetry data.
* Implemented Web Grid MVC with jQuery/JSON to provide more flexible, editable and sortable grid view to increase user interaction.
* Maintained security and efficiency of application communication within Azure IaaS by creating and configuring virtual networks, subnets, security groups, and load balancers.
* Utilized WCF to implement error handling strategies and exception management strategies, enhancing application stability and improving user satisfaction.
* Assured effective collaboration, code integrity, and version control by implementing Team Foundation Server (TFS).
* Developed continuous integration and continuous deployment pipelines within Visual Studio for ASP.NET MVC 6 applications, automating build, test, and deployment processes.
* Developed and maintained MongoDB databases using NoSQL DB principles to enhance application performance and scalability.

**Environment:** ASP.Net Core 6.0, C#, Angular 15, TypeScript, Bootstrap, WEB API, HTML5, Azure, SQL Server 2019, Visual Studio IDE, TFS, Jenkins, Docker, Jira, Agile, Windows.

**American Airlines | Fort Worth, Texas Oct 2021 to April 2023**

**Full Stack .Net Developer**

**Responsibilities:**

* Converted classic ASP web applications to ASP.NET using short-term contract projects.
* Used Angular 13 classes such as touched, untouched, valid, and invalid to validate the form.
* Established the UI component architecture for the developer framework using Angular 13, HTML5, CSS3, and Bootstrap.
* Converted pages from Classic ASP code to MVC.NET for a benefits election website.
* Developed WCF and Restful Services and used different bindings for a variety of clients.
* Created Single Page Applications (SPAs), Responsive Web Designs (RWDs), and Rich Restful Service Applications (RRSAs) using HTML5, CSS3, Ajax, and Angular 13.
* Created the application in .NET Framework, .NET Core, and implemented logic using C# and OOP concepts.
* Used HTML, DHTML, Web Forms, and AJAX controls to achieve a consistent look and to save individual preferences.
* Implemented ASP.NET MVC5 applications using MVC5 with Razor View Engine. Utilized ASP.NET MVC 5, C#.NET to develop models, views, and controllers.
* Developed the Business Logic Layer and the Data Access Layer in order to implement the MVC architecture. Used ASP.NET MVC Validation to validate client-side data.
* Contributed to the development of Web Services and WCF services for various applications using the Microsoft .NET Framework. Set up the Internet Information Server (IIS) and configured a variety of Web applications.
* Debugged, supported, and performed unit tests with NUnit.
* Built the front-end using jQuery and Angular directives, controllers, and services using NodeJS and MongoDB.
* Created major websites and services using MongoDB as the backend database.
* Managed Docker container lifecycle, including scaling, updating, and rolling back containers, ensuring the availability and reliability of Docker containers.
* Implemented NuGet package integration solutions to ensure smooth application functionality and minimize disruption during development and deployment.
* Utilized Fiddler to analyze and monitor HTTP/HTTPS traffic, enabling effective debugging and optimization.
* Developed ASP.NET MVC projects with Microsoft Azure DevOps, including requirements management, version control, CI/CD, and reporting.
* Coordinated team members, assigned tasks, tracked progress, and fixed bugs using the JIRA project management tool.

**Environment:** MVC5, C#.Net, .Net Core, Visual Studio, Web API, MongoDB, WCF, Entity Framework Razor, LINQ, Git, AJAX, Angular 13, CSS, RWD, IIS, Entity Framework, Typescript, Bootstrap, jQuery, ADO.NET, Agile Methodology.

**State of Nevada | Carson City, Nevada April 2019 to Sept 2021**

**Senior .Net Developer**

**Responsibilities:**

* Implemented Agile methodologies to develop software quickly, adapt to varying requirements, and deliver operating software continuously.
* Developed reusable components on UI (Views) based on partial views and views starts, as well as OOP concepts for implementing business rules.
* Implemented Angular 10/11 Router Module to create Single Page Applications (SPAs). Developed Web API services using ASP.NET Web API and C#.
* Designed and developed a web application project using Angular as the backing framework, using Angular Material's styled components.
* Utilized ASP.NET and C# to create and deploy Web Services (WCF), then used them to generate proxy files that were consumed by web applications.
* Defined request-response system, commonly expressed in JSON or XML, exposed via the web, most commonly via an HTTP-based web server by a server-side ASP.NET Web API.
* Implemented JWT Token-based authentication and authorization for the ASP.NET Core Web API.
* Developed C# code-behind files to read data from stored procedures in the database. Participated in daily scrum calls, refinement, and retrospectives, following a two-week sprint.
* Maintained State Management on the client side using RXJS libraries.
* Develop and maintain scalable web applications using ASP.NET Core, C#, and SQL Server.
* Create and implement RESTful APIs for efficient data interaction between frontend and backend.
* Collaborate with front-end developers to integrate React.js and JavaScript with .NET backend services.
* Design and optimize database schemas and write complex queries in SQL Server for data manipulation and retrieval.
* Implement unit testing using MS Test, NUnit, and XUnit to ensure high-quality code.
* Work in an Agile environment, participating in daily stand-ups, sprint planning, and code reviews.
* Created message handlers in Web API 2 to support global authentication.
* Managed IIS application servers and deployed .NET applications code in development, quality assurance, user acceptance testing, and production environments.
* Worked on a distributed version control system like Subversion and GIT. Comfortable with feature branches, rebasing, and merging.

**Environment:** C#, ASP. NET Core 3.X, ASP.NET WEB API 2, Angular 10/11, TypeScript, HTML5, JSON, AJAX, Azure, Visual Studio, TFS, SQL Server 2017, SSIS, SSRS, Agile, Windows.

**Fidility Investments | Boston, MA Sept 2017 to March 2019**

**.Net Developer**

**Responsibilities:**

* Participated in Agile Scrum with bi-weekly launches of development, testing, and release to Development, QA, and User Acceptance Testing environments.
* Designed and developed user controls for ASP.NET authentication using .NET Framework, Model View Controller (MVC), and .NET Framework.
* Implemented ASP.NET Web Forms, Web Services, State Management, caching features, configured optimizations, and secured the web application.
* Worked on updating the application with new features of Angular 4.
* Implemented Angular 4 services to communicate with Express.js on the server-side to perform CRUD operations on the database.
* Created the application with Angular 4/6 and worked extensively on Angular 4/TypeScript SPA domains.
* Assisted in the design and maintenance of front-end components using HTML, CSS, and JavaScript.
* Collaborated with cross-functional teams to analyze business requirements and translate them into technical solutions.
* Wrote clean, scalable, and efficient code, ensuring application performance and security.
* Language-Integrated Query to EF implementation for data retrieval. Transaction management in LINQ queries for Create-Read-Update-Delete (CRUD). Created tables, stored procedures.
* Implemented various screens for the front end using React.JS and used various predefined components from NPM (Node Package Manager) and redux library.
* Created different business classes and interfaces using .Net Framework with Object Oriented Programming Methodology.
* Worked on bug fixing, system enhancements, and code optimization in existing systems.
* Involved in writing applications using Angular 4/6, ES6.
* Designed and developed an HTML-based user interface in C# using HTML controls, Data Controls, and Web Controls.
* Used ADO.NET and LINQ to SQL database programming to access and retrieve data from the SQL Server database.
* Integrated loosely coupled architectures with dependency injection. Used the Web API framework, configured and exposed RESTful services.
* Implemented client-side validation using ASP.NET validation controls, JavaScript, and jQuery.
* Developed WPF applications using Control Templates, Data Templates, Bindings, Converters, Routed Events, Command Bindings, Commands, and new features such as LINQ and Lambda Expressions.
* Developed and implemented unit tests for SQL Server and Oracle databases.
* Assisted in the migration of the source control system TFS to simplify merging and branching issues.

**Environment:** ASP.Net, C#, JavaScript, Bootstrap, Ajax, Angular 4/6, WCF, ADO.Net, LINQ, POSTMAN, HTML5, HTTP, WCF, IIS, TFS, Windows.

**Ditech | Mumbai, India Aug 2014 – May 2017**

**.Net Developer**

**Responsibilities:**

* Extensively worked on User Interface pages (aspx) using C#, CSS, Bootstrap, HTML, AJAX, jQuery, Java Script and to implement complex Business Rules and Validation of front-end forms.
* Designed and developed the User Interface using JSP, HTML5, CSS3, JavaScript, NodeJS, AngularJS and Bootstrap.
* Developed charts using vanilla JavaScript or external JavaScript libraries, implementing web applications that support cross browsers using JavaScript Frameworks like VuesJS, AngularJS or ReactJS.
* Implementing REST APIs with .Net core webapi, Injecting dependency injection to manipulate data with database objects and securing web applications using tokens.
* Create reusable UI component development and packaging tools such as NPM, webpack, RollupJS and web-based UI unit testing tools like Jest and Karma.
* Implemented add, edit, update, delete functionality with jQuery and AJAX requests handling information in JSON and/or XML format when needed. Implemented client-side validation through JavaScript, jQuery.
* Design and Implemented RESTFUL Web Services using various data format (JSON, XML) to provide an interface to the various third-party applications.
* Experience in configuring, deployment and support of cloud services including Confidential Web Services ( AWS ).
* Used ASP.NET MVC framework to support the use of Dependency Injection to inject objects into a class, instead of relying on the class to create the object itself.
* Experience in React.JS for creating interactive UI&#39; s using One-way data flow, Virtual DOM, JSX, React Native concepts.
* Developed web applications and web services using MVC, entity framework, HTML, Css3, JavaScript, jQuery and angular js.
* Used Entity Framework 6 with a Database First Approach, getting from database to model about tables or stored procedures definition. Mapped several tables and procedures with the project.
* Used Gulp to compile and compress the JavaScript, CSS, HTML files with uglify and used Webpack to bundle files.
* Used SQL Server as database, involved in writing several SQL objects like stored procedures, UDFs, View and triggers.
* T-SQL query creation, implementation and optimization for reporting and database design and management.
* Involved in Agile process, monthly Sprints, and daily Scrums to discuss the development of the application.

**Environment:** .NET Framework, ASP.NET MVC 6.0, .NET Core 2.0, Visual Studio 2019, Entity Framework, Razor, Angular.JS 9.0, React.JS, Vue.JS, LINQ, C#, AJAX, JSON, XML, XSLT, JavaScript, jQuery, CSS3, HTML5, Bootstrap, Web API, TDD, SQL Server 2019, TFS, JIRA, Agile Methodology.