**Prasanth Reddy**

**Sr. NET Full Stack Developer**

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**Professional Summary**

* 10+ years of extensive IT experience in **SDLC** phases like Analysis, Design, Development, Testing, and Implementation of Client/Server, N-Tier Web, Windows applications and Cloud Solutions using diversified technologies.
* Expertise in application development using **C#,** **ASP.NET WebForms/MVC**, **VB.NET**, **Web Services (Traditional, SOAP WCF, REST API)**, **JavaScript**, .**Net** **CLR**, **Entity Framework**, LINQ, **ADO.NET**, and **SQL Server/Oracle.**
* Worked on the design and development of Web applications/Websites/Single Page Applications UI layer using **ASP.NET MVC 4.0,** **Razor**, **Ajax**, **JQuery**, **Angular 13**, **Knockout**, **Bootstrap**, **HTML5**, **CSS/CSS3** and **JSON**.
* Experience in modern **JavaScript** framework like **Angular 13** and its features such as Components, Modules, Services, Routing, Directives and **Dependency Injection**.
* Participated in crafting the architecture and design of applications leveraging .**NET**, integrating streamlined **C++** components for enhancing data processing, system performance, and other essential functionalities.
* Solid experience in working with **.NET (3.0,3.5,4.0,4.5,4.6)** Core frameworks in **Visual Studio**.
* Expertise on data access technologies like **Entity Framework Core (6.1,4.3, 4.1**), **LINQ - To -SQL**, **LINQ-to Entities, ADO.NET, NHibernate** along with repository design pattern**.**
* **Experience in** Design, development and maintenance of **SQL** Server database schema, **MySQL** and **PL/SQL** programming.
* Developed **serverless APIs** for scalable and cost-effective applications using **ASP.NET Core**.
* Build and deploy cloud-based applications with **Microsoft azure** and **AWS**.
* Experience with **Azure PASS services** such as app service, **Azure service bus**, **Azure cosmos dB**, **Azure SQL**, and **Azure function app**.
* Proficient in creating and managing **Azure resources** using the **Azure Portal**, **Azure CLI**, and **Azure Resource Manager templates.**
* Experience in development of **Azure Function** using different **triggers** like **HTTP**, **Timer**, **Queue** and **Event Grid triggers**.
* Used Microservices architecture, based services interacting through a combination of **REST** and leveraging **AWS** to build, test and deploy Identify Microservices.
* Experience in tools like **SSRS**, and **Active reports**.
* Experience in implementing **REST** **API Micro Services** using .**NET Core**.
* Design and develop **GraphQL APIs** using the **.NET framework** to fetch the data from various data sources.
* Utilized testing tools **NUnit(**Unittests**)**, **Jasmine** and **Protractor** (End-to-End testing).
* Efficient Management of **Jira** for bug & issue tracking.
* Experience in **Test driven development (TDD)** along with **CI/CD(Continuous Integration/Continuous Deployment**.
* Experience in automated **CI/CD** workflow using tools such as **Jenkins** and **GitHub**.
* Expertise and hands-on experience in **object-oriented programming.**
* Experience in developing highly scalable micro-services and optimized **RESTful APIs** using **Node** or **TypeScript**.
* Utilized **Ruby** to automate tasks and streamline processes.
* Experience working with container-based technologies with **Kubernetes**.
* Experience is **BDD** testing using **Mockito**.
* Solid grasp of various software design patterns and distributed computing.
* Understanding of relational and non-relational database technologies **SQL** and **Cosmos DB**, data modeling and **RESTful web APIs**.
* Used **GraphQL** to create **APIs**, particularly in scenarios where the client's data requirements are diverse or constantly changing. It allows them to design **APIs** that serve various client needs efficiently.
* When building systems based on **microservices**. **GraphQL** to aggregate data from various microservices and provide a unified **API** to clients.

**Technical Skills:**

 .NET Technologies: **C#**, **.NET Core 3.0**, **ADO.NET**, **ASP.Net 4.5/4.6**, **WCF**, **LINQ**, **VB.NET**

 Web Technologies: **XML**, **HTML**/**HTML5**, **XHTML**, **CSS**/**CSS3**, **JavaScript**, **jQuery** **v3.0**, **Bootstrap**, **Angular.js**, **React.js**, **Ext.js v7.0**, **AJAX**, **JSON**, **Angular 13/10**, **Material design frameworks**, **Jasmine Framework and Leaflet Design**

 Databases: **SQL Server2017/2019, Oracle 8i/9i/10g/11g/12c**, **MS Access** and **DB2**

 Middleware: **ADO.NET Web Services**, **Entity Framework**, **LINQ** to **SQL**

 Reporting Tools: **SQL Server Reporting Services** (**SSRS**), **Crystal Reports**

 Application Servers: **Windows Server 2008/2003/NT,** **Microsoft IIS**

 IDE: **Visual Studio 2019**, **SQL Server Management Studio**

 Frameworks: .**Net Framework 3.0/3.5/4.0/4.5/4.8**, **ASP.Net MVC 4.0/5.0/6.0**

 Cloud Technology: **Microsoft Azure** and **AWS (Amazon Web services**)

**Professional Experience**

**Sr. Full Stack .NET Developer**

**Centene Corporation, St Louis, MO Oct 2022 - Present**

**Responsibilities:**

* Involved in SDLC phase of requirement analysis, design, and development of the web application using .**NET** Core and **C#**.
* Development involved front-end **Angular 13** work with middle-tier/back-end **.Net WebAPI** & **SQL Server tasks**.
* Implemented client and server-side validations using **ASP. NET** validations controls and **JavaScript**.
* Developed various new **WebAPI’s** using **ASP.Net core** and implemented error handling middleware to propagate **http status codes**.
* Implemented **Angular 13** Router to enable navigation from one view to the next as customer performs application tasks.
* Used **Angular** **Http** clients to make **API calls** and load the data into UI components like tables, grids, and models.
* Used UI components, Angular directives, controllers, view and routing, service modules, validations using **HTML5**.
* Developed single-page applications using **Angular 13**, **NGRX**, **Typescript**, **HTML5**, **SAAS**, **CSS3** and **Bootstrap**, **JavaScript**, **NodeJS**, and **NPM.**
* Used **NPM** for installing required node modules and other published Angular **NPM** modules.
* Used **CSS** preprocessor **SASS** to make **CSS** more efficient and **SASS** to write more effective style sheets and **bootstrap** for styling.

• Developed **ASP.NET** **Core WebAPI** based on departmental requirements and specifications.

• Worked with advanced concepts of **ASP.NET** Core MVC such as Models and Providers, Filters used for developing backend technology.

• Implemented **ASP.NET** **MVC 5** strongly typed views, partial views and attribute routing.

• Implemented the rest APIs by using **ASP.NET** **Web API**.

* Moved existing **AngularJS** controllers and services to **Angular 13** components for more responsive and less dependency.
* Experience with creating **custom directives**, **decorators**, and **services** using **Angular-CLI** to **interface restful services**.
* Hosting of **Windows WebAPI**, **ASP.Net** applications in **IIS**, and creating Cloud Instance using **Azure** for deployment in product environment.
* Worked with cloud storage providers like **Azure Blob storage** for various projects.
* Experience in using **Azure Service Bus** as a fully managed messaging service for decoupling applications and services.
* Proficient in managing and submitting jobs, defining dependencies, and controlling execution parameters in **Azure Batch**. Used **Azure Dev-ops** for source control along with **Git-hub**.
* Used Entity Framework to create Models and used tools to explore **REST API**. Used NuGet package manager to pack and use the updates versions of browser control.
* Implemented **CI/CD pipelines** with **Docker** to automate the build, test, and deployment of **.NET applications**, ensuring a streamlined development process.
* Involves **Unit Testing**, **Integration Testing** and **Regression Testing** in a regular basis to improve the performance of the application.

**Environment**: **C#,** **JavaScript**, **Angular 13.1.2**, **.NET Framework**, **ASP.NET**, **Visual Studio**, **AngularJS**, **Mean Stack**, **HTML**, **Web Services**, **AJAX**, **jQuery**, **Jenkins**, **Azure**, **T-SQL**, **Oracle10g**.

**Sr Full Stack .NET Developer**

**Fannie Mae, Washington, DC Jan 2021 – June 2022**

**Responsibilities:**

• Involved in the complete Software Development Life Cycle (**SDLC**) including Analysis, Design, Implementation, Testing and Maintenance with Agile Methodology.

• Turn set of business requirements into fully functioning system components and web code using **HTML**, **CSS**, **JavaScript**, **React** **JS**, **Redux**, and **TypeScript**.

• Used **React JS** in development of the web application to bind the data/model that is being retrieved from a database through services provided in a controller to the view using scope.

• Implemented client-side Interface using **React** **JS**.

• Worked in using **ReactJS** components, Forms, Events, Keys, Router, Animations and Flux concept.

• Build React components and stand-alone functions to be added to any future pages.

* Migrated few applications to **ReactJS** and **Redux** as UI and **.Net Core Services** as backend.
* Build stable **React** components and stand-alone functions to be added to any future pages.
* Used React Resolver for server-side rendering so that we can define data requirements for components and will handle the nested, async rendering on both the server and client.
* Implemented the Drag and Drop functionality using **React-Draggable**.
* Work with Snapshot testing in **Jest** for **Redux reducers** and **API calls**.
* Implemented **MVC design pattern** for developing the Web Application and used **MVC 4 application** using **Razor** **syntax** for view engine and used **C#** for the back end.
* Developed **REST APIs** that allow sophisticated, effective and low cost application integration and multi-tier Web applications with the use of Web Services using **ASP.Net Web API**.
* Used **WCF Restful/SOAP Services** to build high performance and secured document retrieval layer to retrieve data from a **SQL server** based system.
* Implemented Data Access with Packages and Stored Procedures implemented **ADO.Net Entity Framework**.
* Used Entity Framework for working with **Relational data** and **LINQ** for updating the data.
* Manage the back-end connection to **Microsoft SQL** as the data source using **ADO.Net** and write **SQL queries**, **stored procedures** and **triggers** to manage data.

• Proficient experience in building service-oriented applications using **WCF** .

• Implemented **LINQ Query** operations like Grouping, Ordering and Filtering operations to access database for search of **routes**, **drivers** and **packages**.

• Implemented **JWT Token** based authentication to secure the **ASP.NET Core WebAPI** and provide authorization to different users.

• Implemented **AWS Lambda functions** for serverless architecture and improved application performance. Implemented structured logging to log each message in **AWS CloudWatch**.

• Involved in **CI/CD** process using **GIT**, **VSTS**, **TFS**, **Nexus**, **Jenkins** **job creation**, **Maven build Create Docker image** and deployment in **AWS environment**.

* **Test Driven Development (TDD)** was extensively used for both development of new functionality and refactoring the legacy code.

• Proficient in writing Unit Test Cases for business logic and Web Services, performed Unit Testing using **NUnit Testing Framework**.

**Environment: .Net Framework 4.0, ASP .NET MVC 5.0/4.0, C#, Visual Basic 6.0, Visual Studio, CSS, SQL Server, React** **JS, LINQ, JavaScript, HTML, ADO.Net, WCF, T-SQL, DevOps, GitHub, PL/SQL**

**Sr Full Stack .NET Developer**

**US Bank, Minneapolis, MN May 2018 - Dec 2020**

**Responsibilities:**

* Designed and developed requirement documents such as feature requirements, and system design diagrams including architecture diagrams and systems diagrams.
* Developed User Controls, used **.NET web controls**, and improved the performance of the application by configuring the caching.
* Developed login-based member's area that displays **ASP.NET pages** based on access levels and assigned Roles.
* Developed impactful **VB.NET** desktop and web apps, focused on intuitive design and functionality.
* Used **ASP.NET** for web application development and **C#** to design **web forms**.
* Extensively Used **. ASP.NET** controls like Master Page Templates, Menu Controls, Grid View Controls and File Upload Controls.
* **.Net template** for Project Task assignment and Build Release version control.
* 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.
* Developed visual components through **WPF** using **XAML** and **Expression Blend**.
* Extensively worked with **win forms** using **VB.Net** and Implemented validation using validation controls and **JavaScrip**t client slide validation.
* Utilized **VB Scripting**, **C#,** **WCF**, **Web Forms** for developing the codes.
* Extensively worked on **converters**, **validators** in **XAML**.
* Configure **SQL Server Integration Service (SSIS)** for scheduling database backup and Implemented indexing for various tables in the database to improve the application’s performance.
* Developed web interfaces and applications using **Progress 4GL**, contributing to a modern and user-friendly experience.
* Utilized **TFS** and **SVN** for source control and **CI build**.
* Developed reports using **SSRS**.
* Actively engaged in **GitHub-based code reviews**, providing valuable feedback and suggestions, contributing to the improvement of overall code quality in the team. Collaborate with the QA team to define test cases and metrics and resolve test results
* **Environment: .Net Framework 4.0, ASP .NET MVC 5.0/4.0, C#, AngularJS, Visual Basic 6.0, Visual Studio, CSS, Microsoft SQL Server, SSRS, LINQ, JavaScript, HTML, T-SQL, GitHub, WCF.**

**.NET Developer**

**State Of Ohio, Columbus, OH Feb 2017 - Apr 2018**

Responsibilities:

• Interacted with end users and Business Analyst to create low level technical design document.

• Involved in **Database Design**, System Analysis, design and development.

• Created **UI screens** using **ASP.NET web forms** and **user controls**.

• Created the **Queries** to access the data from the **SQL server** as the backend.

• Coordinated with offshore for the multiple version releases for this product.

• Created the **Patch (C#)** for the unsupported product errors. Fixed three main production bugs using this **patch**.

• Wrote **PL/SQL queries** with **Joins** on multiple tables, **Stored Procedures**, **Functions**, **Triggers**, **Indexes** using **T-SQL** and **LINQ** using **Oracle**.

* Used the **ADO.NET** for the Data Access from the Database.
* Engineered **Web** and **WCF services**, configuring **IIS** applications for scalability.
* Developed **WPF-based UI** using **Silverlight** for rich user experiences.
* Involved in COTS integration, overseeing timelines, resource allocation, and ensuring successful delivery within .NET-based environments.
* Optimized .NET application performance by fine-tuning configurations within COTS products, resulting in improved response times and user experience.
* Developed several **SOAP** and **REST API** based internal tools to enhance quality and performance of existing code base and deployed in **Cloud Foundry**, **AWS S3** and **Kubernetes**.
* Set up monitoring and logging using **AWS CloudWatch** to identify and resolve issues proactively.
* Design and manage, and maintain tools to automate operational processes. Pick the right **AWS services** for the application.
* Build, Deploy and monitoring code changes using **Jenkins Pipelines**.

• Created the FAQ document for the client support team.

• Involved in the **Install shield Creation** and fixed the production issues.

• Responsible for the Deployment and Delivery of the product in the client environment. Contributed in design and development of database.

* Ensured code quality with **XUnit**, conducting comprehensive **.NET unit tests.**
* Proficient in **TFS** for streamlined version control, source code management, and project collaboration.

**Environment: ASP.NET, C#, ADO.NET, SQL, PL/SQL, LINQ, WCF, WPF, SOAP, REST API, AWS S3, Kubernetes, XUNIT, TFS, Jenkin**.

**.NET Developer**

**PNC Bank, Pittsburgh, PA Nov 2015 - Dec 2016**

**Responsibilities:**

* Designed & developed a web-based application using **Angular JS**, **WebAPI**, and **C#.**
* Engineered robust business logic using **C#**, including **abstract classes,** **interfaces**, and **classes**.
* Developed feature-rich web pages with **AJAX**, **jQuery**, and **UI** enhancements in **ASP.NET**.
* Engineered **AJAX** for **dynamic Partial Page Updating**, **Invisible Data Retrieval**, and Smooth Interfaces.
* Designed and implemented **ASP.NET MVC**, **AngularJS SPA** web solutions with industry best practices and design patterns. Implemented Angular Service calls using Angular Factory.
* Utilized **Azure libraries** to **bolster local** **In-Role Cache ventures** and enhanced multi-threading for quote retrieval efficiency.
* Development of **Logic Apps**, **Server less Function Apps**, **Web API’s in-service fabric**, on **Azure Cloud**.
* Developed **Azure Functions** using different **trigger**.
* Expertly employed **ADO.NET**, **Datasets**, and **Data Views** for data manipulation in **ASP.NET**.
* Extensive programming skills in writing **Stored Procedures**, **functions**, **views**, **tables**, **types**, **packages** in **SQL 2014/2012/2008**.
* Optimized **TSQL queries**, **Stored Procedures**, **Views**, and **Cursors** to streamline data operations.
* Convert data from legacy systems to **SQL Server** using **SSIS packages**.
* Created **SSIS** **Packages** to load the data from different applications sources like **Excel**, **JIL**, **Flat File** and **Oracle** into **SQL Repository.**
* **Kendo integration** in MVC application, enabling **OData** with **Kendo UI**, **Custom Filtering** and **grouping logic** for **Kendo UI**.
* Proficiently tested **WebAPI RESTful Service** using **Swagger** and **POSTMAN** for quality assurance.

**Environment: C#, .NET Framework, ASP.NET, ASP.NET MVC 5.0/4.0, ASP.NET Web API, WCF, .Net Framework 4.0, VS.NET 2015, AngularJS, JSON, JavaScript, AJAX, T-SQL, Oracle 10g, Azure.**

**.NET Developer**

 **Navayuga InfoTech India Ltd Hyderabad, India  June 2013 - Sept 2015**

**Responsibilities**

* Developed Functional Specifications, Design Specifications documents, and **UML Diagrams**.
* Designed and Developed applications using **.NET framework**, **Object Oriented Concepts**.
* Designed different components using **C# language** for enterprise-level web applications. Built on **3-tier architecture**.
* Added Server controls, Custom controls to enhance functionality to the **ASP.NET pages**.
* Implemented **AngularJS Service calls** using **Angular Factory**.
* Used **GIT** extensively to rebase and merge branches to the Master.
* Used **Jenkins** to do Continuous Integration.
* Performed **unit testing** on each module developed.

**Environment:** **JavaScript, jQuery, Net 4.0, VS.NET 2015, C#, .NET Framework, ASP.NET, Visual Basic .NET**

**Education**:

Bachelors in Computer Science and Engineering **June** **2009 - May** **2013**

Jawaharlal Nehru Technological University, Hyderabad, India