**Sai Geetha Mutyala**

**Email:** [saigmutyala@gmail.com](mailto:saigmutyala@gmail.com)

**Phone:** +1 (806) 855-3788

**LinkedIn**: https://www.linkedin.com/in/sai-mutyala-271b42300/

**Senior Full Stack .Net Developer**

**PROFESSIONAL SUMMARY:**

* Over 10 Years of IT experience with involvement in all phases of the Software Development Life Cycle (**SDLC**) such as planning, analysis, design, implementation, testing, and maintenance of **Web-Based, Client-Server, and N-tier Architectures.**
* Proficient in working with **Waterfall** and **Agile** Development Environments, with expertise in **SCRUM** methodology.
* Experience in designing web pages using **HTML, JavaScript, CSS, jQuery, Angular, Angular JS, AJAX, Bootstrap, React JS** and **JSON, Node JS.**
* Developed new user interface components for different modules using **Kendo UI** with various controls including Grid controls, and chart controls etc.
* Hands-on experience in software design and development using **.NET Frameworks, including ASP.NET, WEB API, Microservices, C#, ADO.NET, SQL Server, Entity Framework, Razor, Win Forms, Web Forms, Web Services, MVVM, WPF, WCF, XAML, Ajax, LINQ, and IIS.**
* Used various **WPF** controls, **Telerik** **controls**, developed User Controls to design custom UI to meet the requirements and to increase the ease of use for customers
* Extensively used ADO.NET and ORM tools such as **Entity Framework** and **LINQ** to SQL interact data between web application and database objects.
* Implemented a dashboard web application from scratch based on **ASP.NET Core** with **Razor** views and including **dependency injection** (DI) and **Entity Framework** Core.
* Deep understanding of solid principles in **C#** for **Object Oriented Programming** (OOPS).
* Expertise in using **ADO.NET objects** such as Connection Object, Command Object, Data Reader Object, Dataset Object, and Data Adapter Object. Implemented web programming with hands-on experience in using Custom Controls, Master pages, themes, and Validation controls.
* Expertise in creating **Single Page Application** (SPA)using **Angular JS** and **Node JS** with **MVC** capability.
* Used to **VUE.JS** for implement the open-source Java script framework for building user interfaces.
* Possess excellent abilities in developing database programs like Store Procedures, Joins, Triggers, Views, Cursors, Packages, and Working experience of **RDBMS** like **MySQL, Oracle SQL PL/SQL, SQL Server (MS SQL), DB2,** and NoSQL DBMS like **MongoDB.**
* Worked on API’s to create multiple microservices using **REST** and used **GraphQL** as the middleware for react projects to connect to service end points. Utilized **Swagger** as the standard API documentation on all the services.
* Consumed **SOAP APIs** from enterprise customer system and **RESTful** APIs provided by other applications in the portfolio, also created W&C RESTful APIs
* Strong experience in MS SQL Server working with business intelligence tools in **SSAS** (SQL Server Analysis Services), **SSRS** (SQL Server Reporting Services), and **SSIS** (SQL Server Integration Services).
* Strong experience in Azure Development, including Azure web application, API services, Azure SQL Database, and Azure Functions.
* Used **Azure DevOps** Services for source code repository and to build project Artifacts.
* Experience in Designing, and provisioning Virtual Machines through infrastructure as a code and migration of On-Premises applications to the cloud using **Microsoft Azure Cloud** IaaS, PaaS, and Microsoft Azure DevOps.
* Responsible for the development and maintenance for **J2EE** projects an online hosting web applications that manages web logic servers and perform remote deployment of applications.
* 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**.
* Extensively worked on **Microservices**, **AWS** working with **EC2, RDS, Dynamo DB, S3, Cloud watch** and **Docker**. Responsible for maintaining and expanding AWS (Cloud Services) S3 infrastructure using AWS (SNS, SQS).
* Involved in Debugging and Supporting the application and Performed **Unit Testing** using **NUnit**, **MSUnit**, **XUnit,** and Test tools like **POSTMAN, Jasmine,** and **Karma** for front-end testing.
* Expertise in usage of version controls like **GIT, Bit Bucket, TFS**, and ticketing tools like **JIRA, Rally**, Build tools like **Visual Studio**.

**TECHNICAL SKILLS:**

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| --- | --- |
| **.NET Technologies** | ASP.NET 1.1/2.0/3.5/4.0/4.5/5.0/6.0, MVC, WEB API, Microservices, ADO.NET, AJAX, Classic ASP, Razor, LINQ, Entity Framework. |
| **Languages** | C#, .NET, VB.NET(10.9/9.0/8.0), Visual Basic, C, C++, Java, Python, PL/SQL, T-SQL, Powershell |
| **Web Technologies** | HTML, HTML5, XML, XSLT, XSD, XAML, JSON, SOAP, CSS, Web forms, Web Services, Win forms, GraphQL, WPF, MVC & UML. |
| **JS Frameworks** | JavaScript, Visual Basic Script & Type Script, Angular JS,  Angular 2/4/5/6/7/9/12/13/14, React JS, REDUX |
| **Databases** | SQL SERVER, Postgre SQL, Cassandra DB, MONGO DB, & Oracle 12c/11g/10g/9i/8i |
| **Web Servers** | IIS (Internet Information Server)5.0/6.0/7.5/8.0/8.5 |
| **Testing Tools** | XUnit, NUnit, Karma, POSTMAN, Jasmine, Selenium, TestNG, Kafka Karma |
| **Reporting Tools** | SSIS, SSRS, SQL Server Management Studio (SSMS) |
| **Version Control** | Team Foundation Server, Tortoise and GIT, GUI, Bit Bucket, JIRA, Rally. |
| **Cloud Technologies** | Azure, AWS, GCP |
| **CI/CD** | Azure DevOps, Jenkins, Docker, Kubernetes |

**PROFESSIONAL EXPERIENCE:**

**First Republic Bank - San Francisco, California** **Nov 2022 to Present**

**Senior Full stack .Net Developer**

**Responsibilities:**

* Extensive working experience with different methodologies like **Agile** Scrum, **Test-driven development** TDD, and **Waterfall** methodologies.
* Involved in creating **RESTful** Web APIs for Lookup Services using (Model-View-Controller) **MVC** Architecture.
* Used servlets as front controllers, **jQuery, JSP, HTML5, and CSS** on the front end, and **JavaScript**, and jQuery for client-side validation. Experience in using JavaScript frameworks jQuery, **Angular 14**, **Node.js,** and **Twitter Bootstra**p.
* Developed and maintained automated test scripts in **C#** using **Selenium** WebDriver for web application testing and managed test suites using **TestNG** to ensure comprehensive test coverage. for structuring and organizing automated test cases.
* Developed loosely coupled application using **WPF, C#, MVVM pattern, LINQ**, **dependency Injection** container Unity Container
* Produced multiple visual elements of web applications by translating UI/UX design wireframes into code, producing high-quality markup using **HTML5** and **CSS3**.
* Implemented performance optimizations leveraging new features in **.NET core 6.0**, resulting in a 30% reduction in application response time.
* Used **JavaScript** and **Angular 14** to update a portion of a web page thus reducing bandwidth usage and load time and adding modal dialog in web pages to get user input and requests.
* Designed and implemented an innovative user interface using **AngularJS** that increased user engagement by 30%.
* Used Angular JS as a framework to create a single-page Application that can bind data to specific views and synchronize data with the server using **SaaS**, **Bootstrap**, and **JSON**.
* Implemented schema versioning in **GraphQL** to manage changes in the API without disrupting existing clients. Utilized schema stitching to merge multiple **GraphQL** services, allowing for a scalable and flexible API architecture as new services were added.
* Instrumental in increasing mobile app download numbers by 60% by developing a responsive website.
* Use **VUE.JS** to be perfectly capable of powering sophisticated Single-Page Applications when used in combination with modern tooling and supporting libraries.
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* Leveraged in web application development using **ASP.NET web Form** and **ASP.NET MVC**, along with Web services, **WCF**, and **ASP.NET Web API**.
* Deep functional experience in creating, deploying, and consuming RESTful web services and WCF services.
* Used **OAUTH 2.0** authentication framework to provide security to Restful web services by generating access tokens to access protected resources.
* Experienced in **Object Relational Mapping** (ORM) using **ADO.NET Entity framework**. **LINQ** and **Lambda** expressions and have some knowledge of implementing the data access layer using Entity Framework Code First Approach to connect to the database and perform all the database transactions.
* Developed **PowerShell** Desired state solution to ensure server compliance in **Azure** using Azure Automation.
* Migrated databases from MYSQL 2005 to MYSQL 2008 in production and test environments. Constructed the **OLAP cube** using **SSAS** and used **SSIS** to transform the data into OLAP.
* Used **Apache Kafka** to aggregate web log data from multiple servers and made them available in downstream systems for Data analysis.
* Worked with Unit testing frameworks like **Xunit.Net** and **MSTest** and developed unit test cases using **Karma**.
* Implemented **Azure DevOps** services for project management tasks, source code repository, continuous integration, and deployment. Implemented cluster services using **Docker** and Azure **Kubernetes** Services (AKS) to manage local deployments in Kubernetes by building a self-hosted Kubernetes cluster using **Jenkins** CI/CD pipeline.
* Used **GIT** as a version control system, to keep track of all the work & all changes, allowing several developers to collaborate and use **Maven** as a build and configuration tool.

**Environment:** ASP.NET, C#, MVC5, MVVM, WEB API, Visual Studio 2017, KendoUI, XML, XAML, JSON, IIS7.5, HTML5, CSS3, JavaScript, jQuery, Angular, Kubernetes, LINQ, NUnit, Xunit, ADO.NET, EntityFramework, Kafka, AgileMethodology&TFS, Git, JIRA, Log4J, Maven, AzureDevOps, SOAP, REST, OAUTH, Azure Cloud, SDLC, SQL.

**MetLife – New York City, NY Sep 2020 to Oct 2022**

**Senior Full stack .Net Developer**

**Responsibilities:**

* Involved in all stages of **SDLC** including designing, coding, testing, and implementing the application following **Agile** (Scrum) methodology. Assisted and managed in all sorts of Agile ceremonies (user story grooming, sprint planning, sprint retrospective, daily Standups, Release Planning).
* Built responsive websites for 20+ customers using semantic **HTML, CSS, JavaScript, Angular, jQuery, JSON**, and complied using **maven** and webpack built tools.
* Implemented **Angular** Routing and Navigation, Components, Services.
* Experience in designing and developing Microservices for business components using **.NET framework 4.5**.
* To improve performance and enable process simplification worked on rewriting old Windows-based applications to a web-based application in newer technologies such as **ASP.NET CORE**, and **SQL Server**.
* Used **Microsoft Entity Framework** code. First Approach for the Data Access Layer for the **ASP.NET MVC**. Created REST Web API web services to post and consume data between SQL database using **C# MVC 5** application.
* Utilized **Angular** **Material** as well as **Bootstrap** and **CSS3** to ensure responsiveness across different devices and screen sizes.
* Used **Angular** to connect the web application to back-end APIs, used RESTful methods to interact with APls.
* Consumed **SOAP APIs** from enterprise customer system and RESTful APIs provided by other applications in the portfolio, also created W&C RESTful APIs.
* Developed RESTful Web API endpoints using **ASP.NET** Web API framework to facilitate seamless communication between client applications and server-side logic.
* Used ADO.NET to connect **Web forms** to data sources such as MS SQL Server and XML files for manipulating data in the database.
* Actively involved in Migrating applications from .Net 2.0 to .Net 4.0 classic to Azure cloud deployment. Worked on Enabling Open ID and Windows Live authentication in Azure Cloud apps.
* Used **JSON** to transmit data between Server and Web Application, an alternative to XML Serialization.
* Successfully migrated data from legacy relational databases to **MongoDB**, streamlining data access and reducing infrastructure costs.
* Implemented robust security measures in **MongoDB**, including access control, encryption, and compliance with healthcare data privacy regulations like HIPAA (Health Insurance Portability and Accountability Act).
* Implemented **CRUD** method in **ASP.NET** Web API with proper response status codes.
* Worked on DAO's to pull the data from the source Databases converted into JSON formats and then published it into Kafka Streams. Used **Apache Kafka** in the cluster as a messaging system between the APIs and Microservices.
* Experienced in writing unit test cases using **XUnit** and have knowledge in Test Driven Development (TDD).
* Worked on the **OAuth2.0** for implementation of **Node.js** based Authentication service.
* Automated JS applications by using **Protractor**, and **Jasmine** framework and Developed Test Scripts to implement Test Cases, Test Scenarios and features for Behavior Driven Development(BDD) using **Cucumber**.
* Involved in creating a Web API with Entity Framework and Used **Postman** to test Web API functionality.
* Leveraged **Bitbucket**'s code review and CI/CD integration features to enhance code quality and project workflows.
* Developed robust test scripts in C# for automating web application testing using **Selenium** WebDriver.
* Effectively worked on JIRA for ticketing and as well as a defect tracking system and configured various workflows, customizations, and plug-ins for JIF bug/issue tracker, integrated Jenkins with **JIRA, GitHub**, and **Maven**.

**Environment:** ASP.Net Core, C#, MVC, WEB API, SQL MONGO DB, Visual Studio, Notepad++, XML, IIS 7.5, HTML5, CSS3, JavaScript, jQuery, Angular, Azure, Typescript, Redux, Fiddler, Postman, Kafka, RabbitMQ, GIT, Team Foundation Server (TFS) and Agile Methodology, OAUTH, Xunit, NUnit, Log4J, Git, JIRA, Entity Framework, JSON, REST, SOAP, SDLC, Selenium, Node.js.

**State of Texas - Austin, TX June 2018 to Aug 2020**

**Senior Full stack .Net Developer**

**Responsibilities:**

* Designed and developed using web technologies like **C#, ASP.net, JavaScript, XML, XSLT, CSS3** and **HTML5**, **Angular** in designing and developing the web project. Planning **Agile** and **Scrum** implementations within the organization
* Worked with advanced concepts of **ASP.NET Core MVC** such as Models and Providers, Filters used for developing backend technology. Responsible for designing the **ASP.NET** application authentication using **.NET Framework 4.5** IIS security model.
* Modified Sanction Certificate Layout and added logic to download competition Announcement **using Java Script, JQUERY UI,** **Plugins**, and **AJAX**.
* Extensively used **CSS** (Cascading Style Sheets) along with RWD to apply different styles to the layouts for varying screen sizes and pixels.
* Extensively used **Angular JS** UI for ng grid and UI components and responsible for making AJAX Calls for the UI Interactions to the Controller Actions using Query and getting the data back as **JSON** and parsing it onto the UI.
* Experience managing databases using **ADO.NET, Entity Framework**, and **LINQ** also Used ADO.NET to implement the data layer to help communicate with the database.
* Used **ADO.NET** and strongly typed **datasets** to insert, update, delete, and retrieve data from a SQL Server database.
* Designed and developed enterprise services using **REST-based APIs** and used various transformers in Mule ESB based on the use case and implemented the custom transformations.
* Wrote SQL Statements, Stored Procedures, Triggers, Functions, and Sequences to access data from the database using **Entity Framework 4.5** classes and methods for Team Management
* Developed complex reports using multiple data providers, user-defined objects, charts, synchronized queries, and created star schema in **SSAS** to develop ad-hoc reports for the clients as per their requirements using **SSRS** in **MS SQL**.
* Deployed and maintained Windows phone applications on **Azure cloud Technologies** and Used AAD Graph API to programmatically access Azure Active Directory through REST API endpoints.
* Azure Storage Development and design utilizing **Blobs, Pages, Queues, Tables**, and **VM’s** and Developed Background Process Infrastructure on top of Windows Azure Queues.
* Used Microsoft **Azure** for building, deploying, and managing applications and services through a global network of Microsoft-managed and Microsoft partner hosted data centers.
* Experience using Configuration management tools like Team Foundation Server, and Microsoft visual source safe. Created custom SharePoint web parts using **Visual Studio**, and **C#** with Microsoft.
* Implemented TDD, Unit Testing, Integration Testing, and System Testing using NUnit.

**Environment:** .NET, C#.NET, SQL Server, SQL Server Management Studio (SSMS), SSRS, SSIS, ADO.NET, LINQ, WEB API’s, WCF, XML, HTML5, CSS3, JavaScript, jQuery, Bootstrap, IIS 7.5, TSQL, MVC5, Jenkins, Visual Studio, Windows Server, MYSQL, NUnit, PostgreSQL, AJAX, Angular, Jenkins, Rally, Git, Azure

**Molina Healthcare –** **Long Beach, California Jan 2017 to May 2018**

**Senior .Net Developer**

**Responsibilities:**

* Involved in complete **SDLC** of application.
* Designed and developed the Data Access layer, Business layer, and Presentation Layer (user interface) for the n-tier architecture web application using **C#, ADO. NET** and **ASP. NET Core.**
* Developed Web Forms using ASP .NET and used **JavaScript** to perform validations on Web Forms
* Used **JavaScript, HTML, CSS**, and **Bootstrap** to design views of the website.
* Writing and consuming **XML Webservices** using **WSE2.0**.
* Implemented client-side Interface using **React JS**. Build stable React components and stand-alone functions to be added to any future pages, Used React-Router to turn the application into Single Page Application.
* Defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed to reach one or more **AWS EC2 instances**
* Involved in creating Web Services on the main server and consumed Web Services in the Web application.
* Involved in developing WCF service using **SOAP/HTTP** to communicate with legacy systems and deployed web services as per business requirements.
* Implemented and Fixed SQL Injection in .Net web application Based on the **Fortify tool**.
* Stored Procedures were designed for fast data retrieval and implementing database logic.
* Used **WCF** to build high performance and secured document retrieval layer to retrieve data from a SQL server-based system.
* Extensive experience developing a green field app large app using **AWS Cognito, Lambda, API gateway, node backend, PostgreSQL,** and **React /Redux front end.**
* Experience in using build utilities like **Maven, Ant** and **Gradle** for building of jar, war, and ear files.
* Performed several types of testing like **smoke, functional, system integration, white box, black box, gray box, positive, negative,** and **regression testing**.
* Expertise **AWS Lambda** function and **API Gateway**, to submit data via API Gateway that is accessible via Lambda function.
* Strong expertise in writing effective **SQL queries**, **Stored Procedures**, and **Triggers** using **SQL** and **PL/SQL** statements.
* Developed reports using **SSRS** and **SSIS**. called them from ASP.NET applications.
* Designed unit testing module with **NUnit** to test the application performance and availability.
* Used **TFS** for the source and document version control.

**Environment:** React, Type Script, AWS, JavaScript, Node.js, NPM, Express.js, jQuery, Bootstrap, Ajax, HTML5, CSS3, GIT, Web Storm, TDD, Karma, LESS, ADO.NET.

**ICICI Bank – Hyd, India July 2014 to Nov 2016**

**.Net Developer**

**Responsibilities:**

* Expertise and implemented rich user interfaces using **React, TypeScript, CSS,** and **HTML.**
* Developed various abstract classes, interfaces, and classes to construct the business logic within the Model using **ASP.NET**. Spearheaded the implementation of large and highly complex applications.
* Implemented and maintained monitoring and alerting for production and corporate servers/storage using **AWS CloudWatch.**
* Involved in Hosting the **WCF** service Website in **IIS 6.0.**
* Skillfully incorporated Windows Presentation Foundation (WPF) components into the Presentation Layer, combining the power of rich and dynamic user interfaces.
* Used **ReactJS** in the 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.
* Designed and built **AWS** failovers, and fault-tolerant websites with auto-scaling and load testing using multiple EC2 instances.
* Utilized **JSON** to transmit data between the server and web application, as an alternative to XML Serialization.
* Used **SSRS** for reporting in **SQL** and **SSIS** for transferring data.
* Troubleshooted **SSMS** setting up/connection issues for other team members.
* Used List, Trees, Toolbars, Menus, and Context Menus for navigating between windows in WPF.
* Experience in **AWS DevOps** Build/Release management and configuration of CI/CD pipelines.
* Performed querying to database using **LINQ** to **SQL** and querying to **XML** files using **LINQ** to **XML**.
* Employed Team Foundation Server (**TFS**) for version control and in documentation and creating Help files. Also used **PostgreSQL** Engine for cloud data storage.

**Environment:** Visual Studio, .Net Core, Node.js, ReactJs PostgreSQL, WCF, jQuery, TFS, GitHub, IIS 7.0, JavaScript, SSRS, SSIS, Typescript, Html, CSS, XML, Microsoft Enterprise Library, AWS, Db Beaver, S3 bucket, Lambda Functions, EC2 Instances, Load Balancer, Docker Image, Postman, RDB, Linux andRally, Waterfall.

**Education Details**:

St. Martin’s Engineering College

Bachelor of Technology in Computer Science - 2014