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| **SAI CHARAN CHOWDARY**  **Senior .Net Full Stack Developer** |
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**Professional Summary:**

* Over 10+ years of experience, as a software developer, proficient in front and backend development, specialized in utilizing **Microsoft's .NET framework** to create scalable applications.
* Extensive experience in **Health Care, Aviation, State, Banking & Retail.**
* Comprehensive understanding of the entire **Software Development Life Cycle (SDLC)**, from project initiation and requirements gathering to deployment and maintenance phases.
* Proficient in **C#, .NET,** and **Visual Studio**, leveraging these technologies for robust application development.
* Proficient in crafting resilient web applications utilizing **MVC architecture, Entity Framework Code First,** and an extensive array of .NET tools including **C#, VB.NET, ASP.NET, ADO.NET, WinForms,** and **web services.**
* Demonstrated ability to utilize **ASP.NET MVC** framework for rapid development of web applications, leveraging features such as routing, model binding, and action filters.
* Extensive experience in creating dynamic and responsive user interfaces using **XAML** markup language, following **MVVM** best practices for data binding and command handling.
* Expertise in leveraging technologies like **ASP.NET Web API, WCF (Windows Communication Foundation),** and **Entity Framework** for building robust and scalable **N-Tier applications**.
* Proficient in designing, developing, and consuming **RESTful** web services using **ASP.NET Core Web API**.
* Proficient in designing, developing, and consuming **SOAP**-based web services using technologies like **ASP.NET Web Services, WCF**.
* Experienced in consuming and producing **JSON** data in **RESTful APIs**, enabling seamless communication between client and server applications.
* Skilled in utilizing Azure services such as **Azure App Service, Azure Functions, Azure SQL Database, Azure Storage,** and **Azure Cosmos DB** for building scalable and resilient applications.
* Strong understanding of API Gateway security best practices, including **TLS/SSL termination, API keys, OAuth, JWT validation,** and **IP whitelisting** for protecting APIs against unauthorized access and attacks.
* Proficient in front-end development using a diverse set of tools and technologies including **Angular, TypeScript, AngularJS, HTML, CSS, JavaScript, Bootstrap, jQuery,** and **Ajax**. Skilled in building responsive and dynamic user interfaces, leveraging modern frameworks and libraries to create engaging web applications that meet business requirements and user expectations.
* Demonstrated expertise in leveraging **Sitecore CMS, .NET technologies, Angular,** and **React** for enterprise-level website development, ensuring immersive user experiences.
* Skilled in creating **ETL packages** using **SSIS** and handling data management efficiently, crucial for maintaining data integrity and optimizing performance.
* Skilled in developing **PL/SQL** stored procedures, functions, and triggers to implement complex business logic and automate database operations, enhancing data integrity, performance, and security.
* Experienced in working with a variety of databases including SQL databases such as **SQL Server, PostgreSQL, Star Dog**, and NoSQL databases like **MongoDB**. Proficient in database design, development, optimization, and administration tasks, ensuring efficient data storage, retrieval, and management to support application requirements and scalability.
* Proficient in utilizing testing frameworks such as **XUnit** for **.NET Core Framework,** and **Karma, Jasmine, Jest, Mocha, Chai** for front-end testing. Skilled in automated testing of web services using tools like **Postman, SOAP UI, Swagger UI,** and implementing behavior-driven development **(BDD)** with **Cucumber** and **Citrus**. Experienced in ensuring code quality, reliability, and scalability through comprehensive test suites and continuous integration pipelines.
* Strong background in **CI/CD, Azure Cloud, Docker,** and **Kubernetes**, ensuring scalable and resilient architectures.
* Experienced in deploying applications on **Microsoft Azure** and **Amazon Web Services (AWS)** using **Azure DevOps, Azure Pipeline,** and **AWS Code Pipeline**, employing advanced CI/CD practices for seamless delivery.
* Proficient in utilizing version control tools such as **Git, SVN,** and **TFS (Team Foundation Server)** to manage source code, track changes, and collaborate effectively within development teams.
* Proficient in utilizing build tools such as **Visual Studio, Visual Studio Code,** and **SQL Server Management Studio** to develop, debug, and deploy applications efficiently.
* Experienced in implementing logging solutions such as **Log4Net** to capture and analyze application logs for troubleshooting, performance monitoring, and auditing purposes. Proficient in configuring logging levels, appenders, and layouts to generate detailed and structured log messages, facilitating effective diagnosis of issues and optimization of application performance.
* Utilized **WCF** for seamless communication between distributed systems and **WPF** for building rich client applications, ensuring efficient data transfer and interactive user experiences within a single cohesive architecture.

**Technical Skills:**

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| **Programming Languages:** | C, C++, C#, VB.Net, Visual Basic 5.0/6.0 (VB6), Razor, TypeScript, SQL, LINQ, PL/SQL, PHP, JavaScript, JSON |
| **.NET Skill Set:** | .NET 5.0 and later versions, .NET Framework 6/4.5/4.0/3.5/2.0/1.x, ASP.NET, ADO, ADO.NET, WCF, Blazor, Blazor Web Assembly, Entity Framework. |
| **Technologies:** | ASP, ASP.NET, HTML/HTML5, CSS/CSS3, Bootstrap, JavaScript, jQuery, Angular, XML, JSON, XSLT, XAML, Kendo UI, Azure, Knockout JS, React, Angular JS, Ajax, Web Services, RESTful APIs, POSTMAN, OpenShift, MVC, MSMQ, WPF, DOM, Web API, Swagger UI, API Gateway, Kafka, Visual Studio Code, AJAX, Document Object Model (DOM), Angular CLI, RxJS. |
| **Database:** | SQL Server, T-SQL, PL/SQL, ODBC, Azure SQL, NoSQL (MongoDB), MySQL, PostgreSQL, MongoDB, LINQ, Oracle 12c/11g/10g/9i/8i. |
| **Operating System:** | Windows 11/10/8.1/7, macOS, Linux. |
| **Cloud:** | MS Azure, Amazon Web Services (AWS), Azure DevOps. |
| **Scripting Languages:** | JavaScript, JSON, jQuery, CSS, HTML, TypeScript, Razor. |
| **Testing Tools:** | MS-Test, NUnit, Mocking, JUnit, Selenium, Jasmine, Karma, X Unit, Unit Testing with Jasmine & Karma, Harness. |
| **Reporting Tools:** | JIRA, SSRS, SSIS, Crystal Reports, Swagger UI. |
| **Version Control Tools:** | Team Foundation Server (TFS), Visual Studio Team Services (VSTS), Git, GitLab. |
| **Software/Tools** | Jenkins, Docker, Kubernetes, Redis, SQL Server Reporting Services, SQL Server Integration Services, UML, MS Visio, SharePoint, Visual Studio 2008/2010/2012/2019/2022, Visual SourceSafe, Apache Kafka, Dapper. |

**Professional Experience:**

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| **Role: Senior Full Stack .Net Developer**  **Express Scripts, St. Louis, MO** | **July 2022 to Present** |

**Responsibilities:**

* Significantly contributed to the entire Software Development Life Cycle (**SDLC**) and **Agile** **methodologies**, where responsibilities included thorough analysis of requirements and formulation of business rules tailored to meet user needs.
* Deployed **ASP.Net Core Web API** for microservice development, focusing on **CRUD APIs** creation and maintainability through reusable components.
* Developed and maintained .NET Core applications, utilizing **C#, Entity Framework,** and **LINQ** to ensure efficient data access and manipulation.
* Utilized **Vue.js** along with **Angular, HTML, CSS, Bootstrap & TypeScript** for advanced UI development tailored to healthcare applications, providing a flexible and responsive frontend framework.
* Developed interactive web applications using Blazor framework in **.NET, Vue.js,** and **WinForms**, enhancing user experience with seamless client-side interactivity in healthcare software.
* Integrated **Blazor** components into microservices architecture alongside **.NET Core C#** and **Angular**, improving web app functionality.
* Experienced in asynchronous programming using async/await keywords in **C#,** enabling non-blocking, responsive applications and efficient resource utilization.
* **Microsoft SQL Server** for structured data storage optimizing project efficiency.
* Proficient in designing, developing, and optimizing **SQL stored procedures** to encapsulate business logic and database operations for improved performance and maintainability.
* Designed and implemented **RESTful APIs** using **ASP.NET Core** to facilitate seamless communication between frontend and backend systems.
* Proficient in developing cross-platform applications using Microsoft's **MAUI** framework for iOS, Android, macOS, and Windows platforms.
* Knowledgeable in **MVVM** (Model-View-View-Model) architecture, employing architectural patterns to enhance code maintainability and separation of concerns in MAUI.
* Collaborated with cross-functional teams in **Agile Scrum** environment, utilizing tools like **Postman** and **Swagger UI** for API documentation and testing.
* Employed **Azure's cloud services**, including **Platform as a Service (PaaS)** solutions like **Azure App Service** for scalable hosting and deployment, and **Infrastructure as a Service (IaaS)** offerings such as **Azure Virtual Machines**, to effectively host, deploy, and manage healthcare applications, ensuring both scalability and custom infrastructure requirements are met.
* Integrated **WCF** services into the healthcare software architecture for seamless communication between distributed systems, while leveraging the **WPF** framework to develop rich and intuitive user interfaces tailored to healthcare applications, ensuring reliable data exchange and visually appealing user experiences.
* Integrated **OAuth2** authentication mechanism into Angular applications to enhance security and user authentication processes.
* Integrated **JWT** with **OAuth 2.0** to provide secure and scalable authentication for third-party services.
* Utilized **Azure Cloud** services for hosting and deployment, implementing CI/CD pipelines using **Azure DevOps** and **Harness** for automated testing and deployment.
* Experienced in utilizing **Azure Service Bus** as a fully managed messaging service for enabling reliable communication between applications and services, both in the cloud and on-premises
* Implemented **Apache Kafka** for event-driven architecture, enabling smooth communication between microservices using message queues and facilitating real-time data processing.
* Proficient in using **Azure CLI** and **Azure Cloud services**, including API Gateway, for efficient and streamlined management of Azure resources and effective microservices management, enabling seamless configuration and deployment of cloud infrastructure and services through a terminal interface.
* Utilize **JIRA** as a central project management tool to plan, track, and manage tasks throughout the project lifecycle.
* Utilize **Visual Studio Code** as the primary IDE for development, enhancing the software development process for the Healthcare Provider Communication Platform.
* Leveraged **SSIS** and **SSRS** for data integration and reporting tasks, ensuring accurate and timely data analysis and visualization.
* Maintained version control using **Git**, ensuring code integrity and facilitating collaboration among team members.
* Utilized **X unit** for .Net Framework testing, focusing on end-to-end component scenarios.
* Implemented unit testing for frontend components using **Jasmine** and **Karma**, ensuring code quality and reliability.

**Environment:**SDLC, Agile methodologies, JIRA, Visual Studio Code, C#, Entity Framework, LINQ, Vue.js, Angular, HTML, CSS, Bootstrap, TypeScript, Jasmine and Karma, JWT, OAuth2, WinForms, Blazor, .NET Core C#, JSON, Microsoft SQL Server, SQL stored procedures, RESTful APIs, ASP.NET Core, MAUI, MVVM, Azure Service Bus, Azure CLI, Azure Cloud, Azure App Service, Azure Virtual Machines, Azure DevOps, Harness, Agile Scrum, Postman, Swagger UI, PaaS, IaaS, WCF, WPF, ASP.Net, CRUD APIs, Apache Kafka, Telerik/Kendo UI, Git, X unit.

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| **Role: Full Stack .Net Developer**  **American Airlines, Fort Worth, TX** | **October 2020 to June 2022** |

**Responsibilities:**

* Spearheaded the development of a Flight Booking and Management System, actively engaging in **Agile** practices to ensure alignment with user needs and project goals.
* Demonstrated expertise as a front-end developer by managing data flow in enrollment applications using **Angular, Typescript, HTML5, CSS,** and **material design components**.
* Developed a robust Service Layer in **C#** integrating Generics, Lambda Expressions, Extension Methods, and **LINQ** for SQL and Objects, ensuring efficient data processing and manipulation.
* Proficient in a wide range of technologies including **C#, Visual Studio, AJAX, Bootstrap, Knockout, HTML, jQuery, Enterprise Library, JSON,** and **SQL Server**, facilitating seamless application development and maintenance.
* Used Presentation Layer as **CSS** which allows customization of layout, color based on the user selection using **XSLT, XML and CSS**.
* Demonstrated expertise in asynchronous programming with **C#**, utilizing async/await keywords and **Task-based asynchronous pattern (TAP)** to improve application responsiveness and performance.
* Leveraged **Azure** services to integrate **MAUI** applications, optimizing data storage, authentication, and push notifications for enhanced functionality and performance.
* Implemented **Restful Web API** Services using **.Net Core**, enabling seamless communication between client and server applications.
* Proficient in developing functional components, leveraging **React Hooks** for state management and side effects, leading to more concise and readable code.
* Developed and maintained **YAML**-based CI/CD pipelines in **Azure DevOps**, ensuring smooth and automated software releases.
* Created efficient view models and controller actions for fetching backend REST service data and transmitting it as **JSON** objects, enhancing data interchange and processing efficiency.
* Developed and maintained internal departmental applications for web and mobile platforms using **.NET Core MVC, Web API,** and **Angular frameworks**, ensuring optimal performance and user experience.
* Expertise in **MVVM** architecture, creating clear and distinct layers for data representation, user interface presentation, and business logic management, enhancing application scalability and maintainability.
* Proficient in managing dependencies and integrating third-party libraries using **Angular CLI's** built-in commands, ensuring compatibility and extensibility of applications.
* Developed a single-page, mobile-first web application for real-time location sharing using **Angular** and **JavaScript API**, improving user engagement and experience.
* Developed and maintained **PowerShell** scripts to automate Active Directory management, user provisioning, and system monitoring.
* Implemented dynamic web applications with **Angular framework** and **Node.js**, utilizing route services and multiple views for enhanced user interaction and experience.
* Skilled in creating reusable components and services with **Typescript** to consume REST APIs, enhancing application modularity and scalability.
* Ensured accessibility compliance by leveraging **Angular Material's** built-in accessibility features and guidelines, making applications accessible to users with disabilities.
* Implemented Microsoft **Entity Framework** Code-First approach for effective data retrieval and manipulation, optimizing database performance and scalability.
* Proficient in error handling and asynchronous operations using **RxJS** operators, ensuring smooth application execution and user experience.
* Directed maintenance of legacy applications and managed customer migration from **Oracle** Database instances, showcasing strong data migration and management skills.
* Engineered scalable backend services with **ASP.NET Web API** and **C#,** enhancing interoperability and incorporating **Microsoft Azure** for architectural evolution.
* Actively involved in testing processes, including unit testing with **N Unit** and integration testing with **Selenium**, to ensure the reliability and correctness of applications.

**Environment:** Agile, Angular, Typescript, HTML5, CSS, material design, C#, TAP, LINQ, Visual Studio, AJAX, Bootstrap, Knockout, HTML, jQuery, Enterprise Library, JSON, SQL Server,XSLT, PowerShell,XML, Microsoft Azure, MAUI, Restful Web API, .Net Core, React Hooks, JSON, .NET Core MVC, Web API, Angular frameworks, MVVM, Angular CLI's, Angular, JavaScript API, Node.js, Vue.js, Angular Material's, Entity Framework, RxJS, Oracle, ASP.NET Web API, N Unit and Selenium.

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| **Role: Senior .NET Full Stack Developer**  **State Of CA, SFO, CA** | **April 2018 to September 2020** |

**Responsibilities:**

* Implemented **Agile/Scrum** practices and **Test-Driven Development (TDD)** techniques, ensuring the delivery of reliable working software.
* Proficiently developed client-side applications using **Angular, HTML5, CSS3,** and **Bootstrap 4**, ensuring responsive and user-friendly interfaces.
* Extensively worked on components, routing, **HTTP services, dynamic HTML**, form validation, and error handling in Angular.
* Leveraged **.NET Core, C#,** and **Entity Framework** to establish robust data access layers, facilitating seamless database connectivity and manipulation.
* Developed complex database objects like Stored Procedures, Functions, Packages, and Triggers using **SQL Server 2017**.
* Skilled in using **LINQ** to query various data sources such as collections, databases, and **XML** files directly from **C#** code, improving code readability and productivity.
* Created and consumed services in **Web API** to perform **CRUD** operations using HTTP methods (GET, POST, PUT, and DELETE).
* Utilized **POSTMAN** for testing both Web API endpoints and Angular applications.
* Utilized **Git** within **AWS** Service environment for efficient version control and collaboration with team members.
* Managed code repositories effectively using **GitHub**, ensuring seamless code management and collaboration.
* Developed **unit tes**t cases for all modules, ensuring comprehensive test coverage and robustness of the implemented requirements.
* Conducted basic **integration** and **smoke testing** in the development environment before deploying applications to the QA environment.
* Built **SSRS** reports, subscribed to them, and deployed them to the report server, enhancing data visualization and reporting capabilities.
* Documented all work using **CONFLUENCE**, ensuring comprehensive documentation of project progress and updates.
* Utilized **JIRA** for defect/issues logging and tracking, ensuring efficient management and resolution of issues throughout the development lifecycle.
* Contributed to system testing by writing test cases in **Zafar** and performing test case execution, ensuring software quality and reliability.
* Leveraged **AWS** services such as **S3 bucket** and **Glacier** for storage and backup solutions, ensuring scalability and reliability of data storage.
* Implemented a robust **Service-Oriented Architecture (SOA)** framework by leveraging **Windows Communication Foundation (WCF)**, facilitating seamless communication between applications.
* Managed the visual presentation of **ASP.NET** websites by creating themes and skins, ensuring consistent design at both the page and control levels.
* Constructed responsive front-end interfaces using **HTML, CSS, JavaScript,** and **Bootstrap** on top of **.NET MVC**, ensuring an intuitive user experience.
* Developed **ASP.NET** pages using a combination of web form controls, **ASP.NET, Ajax, C#,** and **jQuery**, ensuring dynamic and interactive web applications.
* Leveraged ASP.NET's security infrastructure proficiently for user authentication, authorization, and other security-related tasks using **C#.NET**, ensuring data integrity and confidentiality.

**Environment:** Agile/Scrum, Test-Driven Development (TDD), Angular, HTML5, CSS3, Bootstrap 4, HTTP services, dynamic HTML, .NET Core, C#, Entity Framework, SQL Server 2017, LINQ, XML, Web API, CRUD, POSTMAN, Git, AWS, GitHub, unit, integration and smoke testing, SSRS, CONFLUENCE, JIRA, Zafar, AWS, S3 bucket, Glacier, SOA, WCF, ASP.NET, HTML, CSS, JavaScript, Bootstrap, .NET MVC, Ajax, jQuery, C#.NET.

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| **Role: .NET Developer**  **Principal Financial Group, DesMoines, IA** | **March 2016 to March 2018** |

**Responsibilities:**

* Utilized **Agile methodology**, particularly **SCRUM** framework, for effective project management, ensuring alignment of software development with business goals and client requirements.
* Utilized tools such as **C#, Asp.net MVC4, HTML5, Entity Framework, REST Web API, Angular, jQuery, JavaScript, Dependency Injection, WCF, AJAX, NUNIT, LINQ, T-SQL,** and **MySQL Server 2008**.
* Designed and developed **RESTful APIs** using **ASP.NET Core** for seamless communication between financial microservices, facilitating secure and efficient data exchange.
* Successfully migrated a large-scale **React application** to **Angular**, ensuring a smooth transition while maintaining functionality and performance.
* Implemented **SOA** using Windows Services**, SOAP-based web services,** and **XML** for seamless integration with third-party platforms, enhancing interoperability and scalability in financial systems.
* Developed diverse, reusable Angular Services, integrating them into Angular Controllers via Dependency Injection for reliable **AJAX** calls.
* Refactored existing **React** components into **Angular** components, leveraging TypeScript for improved code quality and tooling.
* Developed and maintained modular **Angular** components for a robust web application, incorporating innovative proof of concept by utilizing dynamic views in **AngularJS** instead of traditional **razor** development methods, enhancing flexibility and scalability of the application architecture.
* Used **Angular** framework where data from the backend is stored in the model using **HTTP** and security configurations for authentication and authorization for populated model onto UI.
* Created **JavaScript** reusable components and services to consume **REST APIs** using Component-based architecture provided by **Angular.**
* Successfully deployed **ASP.NET Core** applications to **Azure Cloud Service**, leveraging **Azure Blobs** for storing unstructured cloud data, ensuring scalability and reliability.
* Leveraged Microsoft's **ASP.NET MVC** framework to support Dependency Injection, enhancing functionality.
* Executed **T-SQL** queries and scripts within **SSMS** to extract actionable insights from pharmaceutical databases, supporting decision-making processes and strategic planning initiatives.
* Established seamless communication between applications using **WCF**, promoting interaction across different platforms.
* Developed **WCF SOAP/REST** Services with diverse bindings for compatibility with various clients.

**Environment:** Agile methodology, SCRUM, C#, Asp.net MVC4, HTML5, Entity Framework, REST Web API, React, Angular, jQuery, JavaScript, Dependency Injection, WCF, AJAX, NUNIT, LINQ, T-SQL, MySQL Server 2008, RESTful APIs ASP.NET Core, SOA, SOAP-based web services, XML, Angular JS, HTTP, Azure Cloud Service, Azure Blobs, T-SQL, SSMS, WCF.

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| **Role: .NET Developer**  **Careator Technologies, India.** | **July 2013 to November 2015** |

**Responsibilities:**

* Developed and maintained web applications using **ASP.NET, VB.NET,** and **JavaScript**.
* Designed and implemented abstract classes, interfaces, and business logic components in **VB.NET** and **SQL.**
* Implemented transaction processing and business logic using **C#**.
* Utilized popular UI component libraries like **React Bootstrap** and **Material-UI** to accelerate development and maintain consistent styling.
* Collaborated with cross-functional teams to integrate **React-based** front-end with back-end services and APIs.
* Utilized **Object-Oriented Programming (OOP)** principles and Design Patterns to enhance application architecture.
* Developed Data Access Layer in **VB.NET** for database operations and utilized **ADO.NET** for database connectivity.
* Implemented state management using **React Hooks (useState, useEffect, useContext)** and **Redux** for efficient handling of application state across components.
* Designed and maintained databases in **SQL Server**, incorporating stored procedures, functions, views, and triggers to enforce entity relationships.
* Optimized **React** applications for performance by implementing code-splitting, memorization, and other optimization techniques.
* Created administrative reports using **Crystal Reports**.
* Ensured uniformity across web pages using **CSS**.
* Retrieved and displayed data in the required format using **datasets** and **data grids**.
* Maintained version control using **Visual Source Safe (VSS).**

**Environment:** ASP.NET, VB.NET, JavaScript, SQL, C#, React, OOP, ADO.NET, SQL Server, Crystal Reports, CSS, datasets, data grids, Visual Source Safe (VSS).

**Education**

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| **KG Reddy College of Engineering & Technology, Hyd, India.**  Bachelor of Technology – BTech, Computer Science Engineering. | **August 2009 to June 2013** |