**Maneesh Reddy**

**Full Stack .Net Developer**

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**Professional Summary:**

* Overall **9+ Years of IT experience** with exceptional skills in Analysis, Design, and Development of high scalable Multi-Tiered Web Applications, Distributed Applications, and API Services using Microsoft Technologies in Finance, Insurance, Banking, Telecom, e-commerce, and Healthcare domains.
* Proficiency in **SDLC methodologies** and development processes such as requirement gathering, analysis, and definition, JCL, prototyping, proof of concept, designing, and implementation.
* Expert in building web and desktop applications using **.NET (5.0, Core, Framework 4.7+), ASP.NET, Angular, Node.js**, **WinForms (C#/VB.NET), ADO.NET**, and integrating with **XML Web Services, ODP.NET, SharePoint 2013, and VBA**.
* Experience in **Agile** Software Development methodologies and Test-Driven Development, developing Use Cases, Sequence Diagrams, and Class Diagrams in UML.
* Experienced in developing applications using **MVC architecture** (**ASP.NET MVC**, **ASP.NET Core MVC**), **N-Tier architecture** for building scalable and maintainable applications, and proven ability to work with **large-scale distributed systems**, leveraging **Microservices architecture** and **event-driven architectures**, with familiarity in **Onion architecture** principles for creating decoupled and testable applications.
* Proficient in **node** software development, **Responsive Web Framework**, **Entity Framework** / **LINQ**, and **dependency injection** and utilizing the significant **relational database**.
* Experience in Responsive web design developing and consuming **HTML5, XML Web Services** using **WSDL** and **SOAP, REST, DocuSign API, Google API.**
* Proficient in **AWS** CodePipeline for cloud operations and experienced in migrating applications to the **AWS cloud**. Familiar with using **AWS API Gateway** to manage and secure cloud-based APIs.
* Extensive experience in web-based page and site designs using **HTML, XHTML, DHTML, CSS, Themes, Master Pages, Site Map, JavaScript, Type script, jQuery, and AJAX.**
* Skilled in writing stored procedures, triggers, and packages using **SQL, PL/SQL, and T-SQL across Oracle 10/11g, MySQL**, and **SQL Server (2008–2016)**, with experience using ER/Studio for data modeling.
* Strong foundation in software engineering principles, ensuring code efficiency, performance optimization, and maintainability.
* Experienced in modernizing legacy systems, designing accessible web applications, and seamlessly integrating solutions with existing systems to enhance user experience and efficiency.
* Proven ability to work with large-scale distributed systems, leveraging event-driven architectures, **Kafka, Docker, and Kubernetes.**
* Strong leadership skills with a passion for mentoring junior developers and fostering a culture of continuous learning and collaboration.
* Effectively used **MSMQ** for asynchronous communication between .NET applications, allowing for component decoupling and enhanced failure of tolerance.
* Experienced with front-end testing frameworks such as **Karma**, **Jasmine**, **Jest**, **Mocha**, and **Chai**, and familiar with tools like **Cucumber** and **Citrus** for web services automation.
* Experienced in utilizing testing frameworks for **.Net Core Framework** such as **XUnit** for unit and integration testing.
* Experience with Data Accessing, including using **Data adapters, Data readers, and Dataset in ADO.NET and Language Integrated Query (LINQ)** providers for data manipulation.
* Experience in Object-Oriented Analysis and Design methodology with strong knowledge and experience with Design Patterns including Structural, Creational, and Behavioural Patterns.
* Skilled in **DevOps automation, and CI/CD pipelines** to accelerate software delivery while maintaining high-quality standards.

**Technical Skills:**

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| **Programming Skills** | C#, .NET, VB.NET, C, C++, Java, Python, T-SQL, PL/SQL, TypeScript, JavaScript |
| **.NET Technologies** | .NET Core (8/6/5/3.1/2.1), .NET Framework (4.8/4.5/3.5/3.0/2.0), ASP.NET MVC Core (6/5/3.3/3.1/3.0/2.0), ASP.NET Core MVC (5/3.1/2.1), ASP.NET MVC (5/4/3), Web API Core (6/5/3.3/3.1/3.0/2.0), WCF |
| **Frontend Technologies** | HTML5, CSS3, Bootstrap (5/4/3), JavaScript, TypeScript, Angular |
| **ORM&Database Frameworks** | Entity Framework Core (6/5/3.3/3.0/2.0), Entity Framework (6/5), LINQ, ADO.NET, Dapper |
| **Databases** | SQL Server (Stored Procedures, Triggers, Views, UDFs), MySQL, PostgreSQL, Oracle, Azure SQL Database |
| **Web Servers** | Microsoft IIS, Azure App Services |
| **Testing&Quality Assurance** | NUnit, xUnit, Karma, Jasmine, Jest, Postman, SOAP UI, Swagger UI, SonarQube |
| **Web Services & APIs** | RESTful APIs, WCF, SOAP |
| **Version Control** | Git , TFS, SVN |
| **Software Development Methodologies** | Agile (Scrum/Kanban), Waterfall |
| **Cloud & DevOps** | Microsoft Azure: App Services, Functions, AKS (Kubernetes), Service Bus, Storage, SQL Database |

**Professional Experience:**

**Cardinal Health - Dublin, OH March 2023 - till now**

***Full Stack .Net Developer***

**Project Description**:
Developed a secure and scalable data gateway to manage and monitor healthcare equipment and patient-related telemetry across enterprise hospital systems. The solution enabled secure third-party API integrations, real-time updates, role-based access control, and seamless data flow across clinical and operations teams. The platform adhered to healthcare compliance standards while leveraging Azure cloud services for performance, observability, and high availability.

 **Responsibilities:**

* Participated in **Agile SCRUM** ceremonies including sprint planning, daily stand-ups, and code reviews to ensure iterative delivery and cross-functional collaboration.
* Architected the application using **Microservices**, dividing core responsibilities across independent services for scheduling, compliance, and monitoring.
* Built RESTful APIs using **ASP.NET Core Web API** and **C#** to support critical features like equipment lifecycle management, maintenance workflows, and operational monitoring.
* Integrated secure communication with external systems using **JWT tokens** and enforced strict authentication/authorization with **OAuth 2.0**.
* Employed **Entity Framework Core** (Code First) to design healthcare-specific schemas and manage data persistence in **SQL Server**.
* Developed a highly responsive UI using **Angular 18**, with reusable components, form validations, and visual analytics for real-time monitoring.
* Used **HTML, CSS, JavaScript**, and **Bootstrap** for foundational front-end design and responsiveness across devices.
* Enabled real-time notifications and dashboard updates via **SignalR**, enhancing user experience and operational awareness.
* Integrated **Azure API Management** to expose and govern microservices securely, applying policy-driven access and throttling.
* Deployed backend microservices on **Azure Functions** for event-driven processing and **Azure Event Hub** to ingest and process telemetry data from high-throughput sources.
* Managed authentication and access control using **Azure Active Directory (AAD)** with **Role-Based Access Control (RBAC)** for users and service principals.
* Implemented secure document handling with **Azure Blob Storage**, allowing upload, lifecycle management, and archival of maintenance records.
* Orchestrated CI/CD pipelines using **Azure DevOps (YAML)** and managed containerized deployments through **Docker** and **Kubernetes** for auto-scalability.
* Leveraged **Apache Kafka** for asynchronous messaging and data streaming between distributed services.
* Built and optimized stored procedures, triggers, and complex **T-SQL** queries to support real-time, high-volume data operations.
* Performed comprehensive unit and integration testing with **xUnit**, **Karma/Jasmine**, and **Protractor**, and validated REST endpoints with **Postman** and **SOAP UI**.
* Monitored application health using **Azure Application Insights** and ensured code quality with **SonarQube** integrated into the CI pipeline.
* Used **Git** for version control, facilitating effective collaboration and branching strategies across the development team.

**Environment:** .NET Core, ASP.NET Core Web API, C#, Angular 18, HTML5, CSS3, Bootstrap, JavaScript, Azure API Management, Azure Functions, Azure Event Hub, Azure Blob Storage, Azure DevOps (YAML), Azure Active Directory (AAD), OAuth 2.0, JWT, SignalR, Apache Kafka, Docker, Kubernetes, SQL Server, Entity Framework Core (Code First), T-SQL, xUnit, Jasmine/Karma, Protractor, Postman, SOAP UI, Application Insights, SonarQube, Git, Microservices Architecture, Agile SCRUM

**First Republic Bank May 2022 - Feb 2023**

***Full Stack .NET Developer***

**Project Description:** This project involved enhancing a digital banking platform that supported customer account management, portfolio summaries, and secure transaction workflows. Hosted on AWS and built using .NET Core and SQL Server, the application enabled real-time interactions between clients and financial advisors.

**Responsibilities:**

* Executed iterative development within **Agile** sprints, ensuring adaptability and timely delivery of features.
* Implemented the Project with a well-defined **MVC architecture** for improved modularity and scalability.
* Spearheaded the development of a **RESTful API** layer using **ASP.NET Core Web API**, leveraging its features for building high-performance and scalable endpoints to support the functionalities.
* Developed business logic components and service layers in **C#** using **ASP.NET Core Web API** to handle transaction processing and trading workflows.
* Led the design and implementation of the data access layer using **Entity Framework Core**, defining **entity** **models**, configuring relationships, and optimizing **LINQ queries** to ensure efficient data retrieval.
* Standardized **JSON-based** contracts for all API interactions, ensuring lightweight and consistent data exchange between frontend and backend layers.
* Implemented a secure, role-based **authentication and authorization** system using **OAuth2**, configuring identity providers.
* Built UI in **Angular 16** with reusable components, state management, and efficient API integration via Angular services.
* Developed the **HTML structure**, applied responsive stylingusing **CSS and Bootstrap** to ensure cross-browser compatibility and optimal user experience across different devices for the application.
* Designed and optimized database schemas in both **SQL Server** and **PostgreSQL**, defining tables, relationships, indexes, and stored procedures to support complex data requirements for employee scheduling, performance metrics, and service delivery modules.
* Used **RabbitMQ** for asynchronous service communication, enabling reliable background task processing like reporting and notifications.
* Employed **Swagger UI** extensively to test and document the **RESTful APIs**, validating API endpoints**,** request/response payloads, and ensuring proper error handling and security.
* Implemented end-to-end **CI/CD pipelines** in **Azure DevOps** for the Project, automating builds, tests, and deployments across environments.
* Developed and maintained **SSIS** packages to extract, transform, and load (**ETL**) data across enterprise systems for streamlined data integration and reporting.
* Utilized **Azure Repos** as the central **Git** repository for collaborative codebase management and version control.
* Deployed the.NET Core Web API and Angular frontend as a scalable web application on **Azure App Service.**
* Leveraged **Azure SQL Database** as the managed relational database service for secure and performant storage of branch operations data.
* Integrated **Azure Active Directory** for secure authentication and authorization of bank employees accessing the application.
* Configured and utilized **Karma** and **Jasmine** to implement **unit** and **integration tests** for Angular components and services within the frontend, ensuring the correct behavior and rendering of UI elements.
* Established and enforced **unit testing** best practices using **XUnit** for the backend, writing comprehensive test cases to validate the functionality of controllers, services, and data access logic, ensuring code quality and reliability.
* Involved in the development of **SOAP-based XML Web Services** like Financial account management and Purchase Orders which form the business logic components of the system.
* Utilized **Visual Studio** for developing and debugging the application.

**Environment**: ASP.NET Core, .NET Core Web API, C#, Entity Framework Core, Angular 16, HTML5, CSS3, Bootstrap, JavaScript, TypeScript, JSON, SQL Server, PostgreSQL, SSIS, SOAP, XML Web Services, RabbitMQ, Swagger UI, OAuth2, Azure DevOps, Azure Repos, Azure App Service, Azure SQL Database, Azure Active Directory, Visual Studio, XUnit, Karma, Jasmine

**State of Texas - Austin, TX Oct 2020 - April 2022**

***Senior .Net Developer***

**Responsibilities:**

* Applied **Agile** methodology to accelerate feature delivery and respond efficiently to changing business needs through iterative development and stakeholder collaboration.
* Designed and developed responsive web interfaces using **Angular, HTML5, CSS3, JavaScript,** and **AJAX** to improve usability and reduce time to submission for digital permit applications.
* Built scalable backend services with **ASP.NET MVC** and **.NET Core** in **C#** to implement core permit workflows, authentication protocols, and real-time validations.
* Developed **RESTful APIs** for seamless integration with third-party logistics providers and internal state systems, ensuring secure and real-time data exchange.
* Used **JSON** for standardized data transmission between client and server, enhancing application performance and reducing payload overhead.
* Employed **Entity Framework** with **SQL Server** to handle transactional operations, implement business rules, and optimize performance-critical queries.
* Leveraged **MongoDB** to manage non-relational permit data, audit logs, and document metadata, using Aggregation Framework to generate analytical insights.
* Configured **RabbitMQ** to enable asynchronous messaging for audit events and status updates, decoupling services for improved system resilience.
* Deployed backend services on **AWS EC2**, used **S3** for secure file storage, and managed relational data with **Amazon RDS** to ensure reliability and scalability.
* Used **Amazon API Gateway** to manage and secure API access, including request throttling and identity enforcement via configured policies.
* Developed **AWS Lambda** functions to automate system events such as scheduled data cleanup and notification dispatch, reducing operational overhead.
* Managed source control and integrated builds using **Team Foundation Server (TFS),** ensuring consistent code quality and traceability across teams.
* **TFS** was used internally for source control, while **AWS** hosted backend and **MongoDB** supported document workflows
* Improved development productivity with **Visual Studio** and **VS Code**, leveraging integrated debugging and deployment workflows.
* Tracked sprint progress, user stories, and backlog grooming using **JIRA** to maintain alignment with project goals and delivery timelines.
* Created and maintained unit tests using **xUnit** to validate business logic, enforce functional correctness, and reduce regression risks.

**Environment**: ASP.NET MVC, .NET Core, C#, Angular, HTML5, CSS3, JavaScript, AJAX, RESTful APIs, JSON, SQL Server, Entity Framework, MongoDB, MongoDB Aggregation Framework, RabbitMQ, AWS (EC2, S3, RDS, Lambda, API Gateway), TFS, Visual Studio, Visual Studio Code, JIRA, xUnit

**Liberty Mutual Insurance - Boston, MA July 2018 - Sept 2020**

***.NET Developer***

**Responsibilities:**

* Developed **ASP.NET MVC 5** applications using **N-Tier** architecture with **Razor** views, **Entity Framework ORM**, and **C#** to build reusable service layers and encapsulate business logic.
* Designed responsive UI components using **Angular 10, HTML5, CSS3, Bootstrap**, and **AJAX** to enhance user interactivity across modules.
* Collaborated with UI team integrating **embedded React components** into AngularJS legacy applications, gaining hands-on exposure to **React JSX syntax, state management, and component lifecycles**.
* Supported legacy UIs built in **ExtJS** and **AngularJS** during phased migration to Angular 10, while selectively integrating **React** components for reusable UI modules.
* Developed and embedded reusable **React** components within AngularJS modules using **JSX, React Hooks**, and Context API, improving UI responsiveness and modularity.
* Integrated **Redux** for state management across **React** widgets embedded in legacy views, enabling predictable state flow and reducing side-effect issues.
* Built and maintained backend services in **.NET Framework 4.5**, integrating legacy modules using **ADO.NET** and **VB.NET** for critical workflows.
* Applied dependency injection using constructor and setter patterns to decouple business logic and improve testability.
* Developed **SSIS** packages and **SSRS** reports for financial data integration and operational reporting across departments.
* Migrated legacy .NET Framework applications to .NET Core microservices, containerized with **Docker**, and deployed on **AWS EC2** using CodeDeploy within **CI/CD pipelines**.
* Integrated **Apache Kafka** for real-time, asynchronous messaging between distributed microservices handling transaction and account data.
* Maintained and updated **Crystal Reports** used for audit and compliance reporting, while coordinating with teams migrating to SSRS.
* Configured **AWS CloudWatch** to support proactive monitoring, log aggregation, and alerting across hybrid cloud infrastructure.
* Integrated RESTful services developed in **Spring Boot** into .NET-based workflows as part of a hybrid microservices environment.
* Supported legacy UIs built in ExtJS and AngularJS; migrated modules to Angular 10, while collaborating with React teams to integrate shared components.

**Environment**: ASP.NET MVC 5, .NET Framework 4.5, .NET Core, C#, VB.NET, ADO.NET, Angular 10, ReactJS,Redux, Razor, Entity Framework, HTML5, CSS3, Bootstrap, JavaScript, AJAX, SSIS, SSRS, Apache Kafka, Spring Boot, Docker, AWS EC2, CodeDeploy, Crystal Reports, AWS CloudWatch, ExtJS, React

**EDUCATION: Jun 2015**

Bachelor of Technology, Information Technology

VJIT, Hyerabad.