

Senior Full Stack .Net Developer

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SUMMARY OF EXPERIENCE:

- Having 10+ Years of Experience in the Design, Development, Analysis, Testing, Implementation and Maintenance of Client/Server, Internet, Intranet, Windows and Web-based applications using n-tier Architecture.
- Experience in designing, developing and updating Web-Forms using .NET Technologies like **HTML, CSS, C#, AJAX**, Telerik, JQuery, ASP.Net and Silverlight.
- Use Auto Mapper to map properties of one object to another by Auto Mapper. This can be used to map DTOs to Entities and vice versa.
- Expert in Microsoft Azure, proficient in developing and managing Web and Function Apps, utilizing App Insights, Cosmos DB, SQL Azure, and integrating Microservices, Service Fabric, and Logic Apps.
- Utilized testing frameworks like **NUnit, XUnit, MS Test, and MOQ** for unit testing and ensuring code quality.
- Extensive experience in developing pipelines for Build & Release using Azure DevOps, and Jenkins.
- Experienced in developing comprehensive reports using Crystal Reports, D3.JS, Microsoft RDLC reports, and Telerik Reports.
- Experienced in building interactive user interfaces with **HTML, HTML5/4.0, CSS, JavaScript, TypeScript, Bootstrap, jQuery**, and AJAX.
- Developed web applications using **ASP.NET Web Forms, ASP.NET MVC, and ASP.NET Web API frameworks** for different project requirements.
- Demonstrated expertise in applying **SOLID** principles to design and develop software solutions that are modular, extensible, and easy to maintain.
- Skilled in developing **SOAP** and **RESTful APIs** for seamless integration and communication between systems.
- Implemented **ORM** frameworks like **Entity Framework, NHibernate, LINQ, and Dapper** for efficient data access and management.
- Proficient in working with **Microsoft SQL Server, MongoDB, Cosmos DB, MySQL** and Oracle databases.
- Skilled in setting up **CI/CD** pipelines to automate the build, testing, and deployment processes, ensuring rapid development cycles using **Azure DevOps, Jenkins**.
- Implemented security frameworks like **OAuth, JWT, and Identity Server** for secure authentication and authorization.
- Strong hands-on experience in front-end frameworks such as Angular, React JS, J-Query, Java Script for building interactive and dynamic user interfaces.
- Skilled in implementing various architecture patterns such as **MVC, MVVM, Service Oriented Architecture (SOA), Microservices, OOPS based applications, N-tier applications, and Windows Services** based applications to ensure modular and maintainable code.
- Experience on cloud technologies like **Azure and AWS** for building scalable and resilient applications in the cloud.
- Utilized Razor syntax to present complex data structures elegantly, transforming raw data into organized and meaningful content for healthcare professionals and end-users.
- Proficient in using build and deployment tools such as **MS Build, Jenkins, and TeamCity** for automating the build and release processes.
- Skilled in leveraging **SQL Server Reporting Services (SSRS) and SQL Server Integration Services (SSIS)** to deliver advanced data reporting and integration solutions.
- Experienced in writing efficient SQL queries, stored procedures, and database management using **T-SQL and PL/SQL**.
- Used Windows PowerShell for configuration management and task automation.
- Accumulated experience in **architecting and developing Microservices utilizing ASP.Net Core, EC2, RDS, DynamoDB, S3, CloudWatch, and Docker**, exploiting benefits like loose coupling and implementing design patterns such as singleton. Experienced in version control systems using GIT and collaboration using TFS for source code management and team coordination.
- Configured and deployed applications on **Microsoft Azure, utilizing Azure App Services, Azure Functions, and Azure Storage** for scalable solutions.
- Involved in containerization technologies development such as **Docker and Kubernetes** for efficient deployment and management of applications.
- Developed and implemented a complex, modular web application **using ReactJS**, resulting in increased user engagement and decreased load times.
- Utilized **Azure to create Cloud-based Microservices using containers (Docker)**, leading to improved scalability and reliability of the system.
- **Designed and implemented RESTful APIs and Event Driven Architecture** for services, resulting in increased system performance and efficiency.

TECHNICAL SKILLS:

Languages:	C, C++, C#, Java, T SQL, PL/SQL, VB.NET
Web Technologies:	ASP.NET, ASP.NET Core, ASP.NET MVC, Web API, HTML5, CSS3, JavaScript, TypeScript, jQuery, Bootstrap, AJAX, Razor, React, Angular (2–15)
Development Tools	Xamarin Studio, Microsoft Visual Studio.NET, Visual Studio 2019/2017/2015, Visual Studio Code
Database:	SQL Server, Oracle, Cassandra, MS Access, MySQL, DB2, Cosmos DB, MongoDB
Cloud Services:	Microsoft Azure (App Service, Functions, Service Bus, Logic Apps, Data Factory, Cosmos DB, Azure SQL, Storage), AWS (Lambda, API Gateway, EC2, RDS, DynamoDB, S3, CloudWatch)
Reporting & Testing:	SSRS, PowerBI, Crystal Reports, XUnit, NUnit, Moq
Tools:	Visual Studio, IL Spy, ANTS Performance Profiler, Jira, Confluence, MS Office
Web Servers:	IIS, Azure App Service, Azure Functions, Durable Functions, Azure Virtual Machine Scale Set (VMSS)
Operating Systems:	Windows, Linux, UNIX
IDE:	Visual Studio 2008/2010/2012/2013/2015/2019
Versioning:	GIT, MS Team Foundation Server, Visual SVN
Frameworks:	Microsoft.Net Framework 1.0-4.8, Core

Professional Experience:

American Airlines, Fort worth, TX

Dec 2024 – Till Date

Senior Dot Net Developer

Roles and Responsibilities:

- Involved and used ASP.NET MVC as a platform to develop a web application **.NET Framework**.
- Utilized version control systems such as Git to manage codebase changes, track feature branches, and coordinate team contributions.
- Established communication from Angular Project to **Web API** Project.
- Created and maintained technical documentation, including design documents, **API documentation**, and user guides, facilitating knowledge sharing and onboarding of new team members.
- Developed comprehensive unit tests with high code coverage using testing frameworks like **NUnit** to ensure code quality and reduce defects.
- Built web applications which are more user interactive using latest technology **Angular 12/13/14/15**.
- Designed the database and Created the Tables, Stored Procedures, Functions, and Triggers using **T-SQL in SQL Server** to insert, update, and delete data inside tables
- Developed Web forms using **HTML, CSS, JSON, JavaScript, Angular 13, C#.NET, including .NET Core, C#, ASP.NET** and Entity Framework Core.
- Analyzed and designed new WPF application using **MVVM and Repository pattern**, from design to completion.
- Implementing, migrating and deploying workloads on **Azure VM**.
- Designing, developing, and deploying solutions using various Azure Integration services, including Service Bus, Azure Functions, API Management, and Application Insights.
- Implemented continuous integration and continuous deployment (**CI/CD**) pipelines using **Azure DevOps**, enabling automated builds, tests, and deployments.
- Implemented **.net core Web API to implement CRUD** operations.
- Development of **Azure Data Factory pipelines**.
- Implemented rigorous code review processes within **Azure DevOps**, ensuring adherence to industry best practices and code quality.
- Utilized extensive **Cosmos DB** knowledge to optimize database performance, significantly reducing query response times and improving customer satisfaction ratings.
- Collaborated with cross-functional teams to integrate **Azure services** into existing applications, resulting in a notable decrease in downtime and an increase in user engagement.
- Developed and deployed multiple applications using Azure services, including Cosmos DB, leading to improved database performance and cost savings.
- Designed and implemented **RESTful APIs** and Event Driven Architecture for services, resulting in increased system performance and efficiency.
- Implemented **REST APIs** and Event Driven Architecture to enhance communication between services, resulting in faster data processing speed and reduced error rates.

- Provided support and exposed services for implementing the **UI components** using Angular.
- Proactively identified and resolved performance bottlenecks in **SQL** queries, optimizing database operations and ensuring smooth application performance.
- Utilized advanced coding techniques and best practices to optimize database performance in **Cosmos DB**, resulting in a significant increase in query speed and overall system efficiency
- Developed a comprehensive training program for the development team on how to effectively utilize **Cosmos DB**, leading to a substantial decrease in errors and bugs within the database.
- Engaged with cross-functional teams to design and implement **RESTful APIs/SOAP**, facilitating seamless integration between frontend and backend systems.
- Utilized Microsoft **SQL Server** to manage the database layer, including creating complex queries, stored procedures, and triggers.
- Working with **Azure Cloud Services** like **Logic Apps, Function Apps, Blob Storage, Azure App Services, Service Fabric, Azure Data Factory**.
- Implemented a responsive User Interface using **Angular12/13/14/15**, enhancing the user experience, and making the application accessible across multiple devices.

Environment: ASP.NET Core, ASP.NET Web API, Entity Framework, MS Azure, Microsoft Visual Studio, C#, JavaScript, HTML5, CSS3, Angular 12/13/14/15, Microsoft SQL Server 2022, Git, Azure DevOps, Docker, NUnit, Agile, Postman and Git Hub.

State of North Carolina, Raleigh, NC

Aug 2022 – Nov 2024

Senior Dot Net Developer

Roles and Responsibilities:

- Led a small team of developers and proposed the application architecture for a .NET Core N-tier system with Angular SPA front-end.
- Designed and implemented responsive and user-friendly frontend interfaces using **HTML, CSS, and JavaScript frameworks**, enhancing the usability and accessibility of application.
- Used Azure Cloud for Hosting Web services for retrieval and posting Data to Blob Storage.
- Employed **ASP.NET** Server controls, User Controls, HTML server controls, and custom validation controls for both client-side and server-side validation.
- Implemented features and functionalities related to online banking, account management, transaction processing, and customer data management.
- Integrated applications with relational databases such as **SQL Server**, ensuring efficient data storage, retrieval, and manipulation while maintaining data integrity and security.
- Involved designing in web pages using **HTML5, CSS3, JavaScript, Bootstrap, Angular 6/8**.
- Utilized SQL queries and stored procedures to extract relevant financial data for reporting and analysis, contributing to informed decision-making.
- Implemented **CI/CD pipelines using Azure DevOps** to automate the build, test, and deployment process of .NET applications.
- Designed and Implemented **Data Access Layer (DAL) using ADO.NET** to communicate with SQL Server 2016 and used ADO.Net connection objects like **SQL Connection, SQL Command and SQL Data Adapter** to execute stored procedures.
- Built server-side logic using **C#, ADO.NET** and used **ASP.NET MVC** for building web applications with **Model-View-Controller (MVC)** architecture.
- Collaborated with cross-functional teams to design, develop, and maintain banking applications using **C#, .NET Core, ASP.NET**.
- Developed backend services, APIs, and business logic using **C# and .NET** framework, enabling seamless data integration and efficient transaction processing.
- Familiarity with using **DI containers like Microsoft's built-in DI** or third-party libraries for managing application dependencies.

Environment: .Net Framework, Web Forms, ASP.NET, ADO.NET, Microsoft Visual Studio, C#, IIS, JavaScript, AngularJS 10/12/13/14, grid controls, Web Services, Enterprise library, MS Azure, T-SQL, XML, SQL Server, Bootstrap, CSS, HTML.

Change Health Care, Nashville, TN

Apr 2020 – July 2022

Dot Net Developer

Roles and Responsibilities:

- Designed and developed server-less components using **AWS Lambda and API Gateway**, optimizing resource utilization, and enabling cost-efficient execution of backend services.
- Implemented event-driven architecture using **AWS Lambda** to handle asynchronous processing, such as notifications and data processing.
- Designed, developed, and maintained **.NET-based** healthcare applications that facilitated patient data management, appointment scheduling, and medical record retrieval.
- Developed **RESTful APIs using ASP.NET Web API** to expose data and functionality to other healthcare systems, enabling interoperability and enabling the development of third-party integrations.
- Implemented version controlling using **TFS**.

- Identified and resolved software defects by conducting thorough debugging and root cause analysis, ensuring a stable and reliable healthcare application environment.
- Collaborated with the company's compliance team to ensure that the healthcare applications adhered to industry regulations and guidelines.
- Implemented UI development using **Angular.js, Bootstrap.js, HTML and CSS**.
- Involved in Unit Testing & Integration Testing.
- Implemented Reports using Microsoft **RDLC reporting tool**.
- Participated in **Agile/Scrum, methodologies**, attending daily stand-up meetings, sprint planning, and retrospective sessions to ensure efficient collaboration and timely delivery of features.
- Performed module integration, code review, testing and error fixing.
- Utilized **Amazon Web Services (AWS)** to deploy and manage scalable and reliable web applications in a cloud environment.
- Designed and maintained the database schema using Microsoft SQL Server, ensuring efficient storage and retrieval of patient data while adhering to data integrity constraints.
- Created responsive and user-friendly front-end interfaces using **HTML5, CSS3, and JavaScript and TypeScript frameworks**, enhancing the user experience and accessibility of web applications.
- Utilized AWS managed databases such as Amazon RDS (Relational Database Service) or Amazon DynamoDB to store and retrieve application data securely and efficiently.
- Implemented data mapping and transformation processes to normalize and structure incoming EHR data for efficient storage and retrieval.
- For the Web application created Application-Level Themes and designed the Master Pages.
- Used **N-Tier Architecture having Business Logic Layer (C#.NET)**, Presentation Layer and Database Layer (Database Connection and Security Settings).

Environment: Visual Studio 2015, SQL Server 2014, MVC 4.0, C# with ASP.NET framework 4.0, Web API, unit test, AWS, Java Script, jQuery, XML, JSON, HTML, CSS, Bootstrap.js, HTML5, Media CSS, Microsoft RDLC reporting, ADO.NET.

HUMANA, Louisville, KY

Jan 2018 – Mar 2020

.Net Developer

Roles and Responsibilities:

- Maintaining the Activity Logs. Implemented page level error handling using Custom Error pages and Error logs.
- Successfully developed and maintained healthcare applications using **VB.NET**, contributing to the improvement of patient data management, appointment scheduling, and medical record retrieval processes.
- Reviewing code work for accuracy and functionality.
- Conducted detailed analysis to comprehending client requirements and translated them into new application features.
- Creating and implementing design plans, using reusable technology components, **Designing, Developing, and implementing web applications** with user-friendly interface and eye-catching designs using **.NET, C#**.
- Leveraged programming capabilities in Microsoft SQL Server, JavaScript, and incorporated additional libraries as required.
- Developing and designing different Summary reports and farmer survey reports using the Microsoft **RDLC** reporting for web applications.
- Managed version control through Git, overseeing code merges and initiating new branches and forks for the commencement of new feature implementation.
- Utilized **Azure Active Directory** for implementing secure authentication and authorization mechanisms, ensuring a robust and reliable access control system for **ASP.NET** applications.
- Implemented Azure Application Insights to monitor and track the performance and usage of web applications, enabling proactive identification of issues and efficient troubleshooting within the Azure environment.
- Used Custom Controls, User controls, and Server controls to design the screens.
- Extensively used **ADO.Net** objects to populate **Data sets, Data grid and Repeater** controls for display and manipulation of records. Created and consumed Web services to communicate between the Windows (Desktop) and Web Application.
- Utilized Azure Storage services such as **Azure Blob Storage and Azure Table** Storage for efficient data storage and management, ensuring scalability and durability for web application data in the Azure cloud.
- Leveraged **VB.NET** for both front-end and back-end development, creating user-friendly interfaces with ASP.NET Web Forms for seamless user interaction and data manipulation.
- Performing coding assignments. Scheduled, processed, and monitored code in accordance with the technical design derived from client requirements.
- Experience in hosting websites in Windows server and **FileZilla** application.
- Implemented parameterized user defined functions, procedures and invoking events.
- Developing SQL stored procedures, using Cursors in stored procedures, functions, and triggers for developing back-end database structures required for web applications to maintain Real time data integration.

Environment: .Net Framework, Visual Studio, ASP.NET, ADO.NET, C#, SQL Server 2008, Ajax, CSS, XML, HTML, JavaScript, IIS 6.0, SSRS, Microsoft RDLC reporting, Validations, GIT, T-SQL, Azure, Bootstrap.

Software Developer

Roles and Responsibilities:

- Created ASP.Net web forms and Class libraries containing code for business and data access logic using C# as the programming language.
- Responsible for maintaining versions of source code using **Team Foundation Server**
- Created tests and performed unit testing using **N-Unit and Rhino Mocks**.
- Created Stored Procedures, Functions, and Triggers using **T-SQL in SQL Server** to insert, update, and delete data into the tables.
- Wrote **SQL** scripts and extensively designed and developed Stored Procedures, Functions and Packages in SQL Server to execute various database routines.
- Used **AJAX** Controls to increase the performance of the web application.
- Written test cases and have performed unit testing for each of the task assigned and done thorough testing whenever there is a release using N-Unit.
- Implemented **CRUD** functionality with Entity framework in **ASP.NET MVC** and implemented sorting, filtering, and paging with Entity framework in **MVC**.
- Development of enterprise reports by pulling data from various sources and presenting in **SQL Server Reporting Services (SSRS)**.
- Used Test Automation Framework to automate regression tests for the product.
- Spearheaded revenue growth initiatives leveraging machine learning in the Office365 team, driving identification and exploitation of revenue opportunities through data-driven customer scenarios.
- Developed innovative Teams Bots and web applications with **C#.NET, ASP.NET, .Net Core MVC, JavaScript, AJAX, jQuery, and ReactJS**, significantly enhancing Office365 usage and customer engagement.
- Architected and implemented **WCF** and Web applications, ensuring seamless data integration and performance optimization using **SQL Server backend**.
- Engineered Azure Service Bus for cloud messaging, enhancing message distribution and communication efficiency.
- Led integration efforts between frontend **ReactJS** applications and **backend APIs**, ensuring seamless data exchange and enhanced functionality.
- Provided crucial **.NET Core expertise**, contributing to the development of production-ready software solutions.
- Implemented rigorous code review processes within **Azure DevOps**, ensuring adherence to industry best practices and code quality.
- Conducted comprehensive unit testing and integration testing, ensuring the accuracy and reliability of developed code.
- Orchestrated the creation of responsive web pages and client-side functionality, **delivering dynamic UI** experiences tailored to user needs.
- Executed meticulous debugging, ensuring bug-free code and optimal performance.
- Played a pivotal role in **User Acceptance Testing and System testing**, validating software functionality against specified requirements.
- Established and maintained build and release pipelines (**CI/CD**) for deploying web applications to Microsoft Azure cloud environments.

Environment: Visual Studio, C#, WCF, ASP.NET, MVC, CSS3, HTML, XML, .NET Framework, WCF, JavaScript, XML, WPF, T-SQL, SQL Server, Windows