

SUBHASH ULAVALA

Full Stack .net Developer

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Professional Summary

- Senior software developer with over 9+ years of assorted experience in analysis, design, development, research, and implementation of the Software Development Life Cycle (SDLC), object-oriented software systems, and development of Windows-based, web-based, client/server-tier architecture based on Microsoft .NET technologies and SQL Server. Technical expertise in Microsoft Technologies including .NET Framework, C#, ADO.NET, IIS, Win Forms, VB.NET, MSMQ, Web Services, ADO, Web API, WCF, WPF, XML, Microsoft SQL Server, and MS Team Foundation Server.
- Technical expertise in Microsoft Technologies like .Net Framework 4.6/4.0/3.5/3.0, C# 8/5.0/4.0/3.0/2.0, ADO.NET, IIS, Win Forms, VB.Net, MSMQ, Web Services, ADO, Web API, WCF, WPF, XML, Microsoft SQL Server, and MS Team Foundation Server.
- Proficient in utilizing OOP principles (inheritance, polymorphism, abstraction, encapsulation) and applying SOLID principles effectively in software development.
- Experienced in creating rich User Interface on the web using HTML 5.0, XAML, DHTML, Master Pages, CSS, Ajax, JavaScript and jQuery.
- Worked on N-Tier Architectures, Design Patterns like MVC (Model View Controller), MVP (Model View Presenter) on the applications.
- Involved in all the phases of Agile and Waterfall Methodologies of a SDLC (Software Development Life Cycle) with a clear understanding of iterative and Evolutionary principles.
- Experienced in working on all the layers in N-tier Architecture such as Presentation layer, BLL, DAL as a Full Stack developer.
- Expertise in implementing SOA using WCF technology developed and consumed WCF services with features versioning, security, optimization, and reliability.
- Experience in implementing RESTful Webservices.
- Experience in Bootstrap framework for developing rich UI and in creating web application using Angular 12+
- Experience in Data accessing includes using Data Adapter, Data Reader and Data Set in ADO.NET.
- Created Entity classes, relationships between entity classes using LINQ (Language Integrated Query) to SQL to manage relational data as objects with Entity Framework.
- Good knowledge on Micro services, AWS (Amazon Web Services), working with EC2, RDS, Dynamo DB, S3, Cloud watch and Docker. Experience in code versioning tools like Git and CI/CD tools like Jenkins.
- Good knowledge over .Net framework concepts like Lambda expressions, LINQ, Extension methods etc.
- Well versed with design and development of SQL Server database.
- Hands on experience in working with development of Stored Procedures, User Defined Functions, Queries, Indexes, Triggers and Views using SQL Server 2014/2012/2008/2005 and T-SQL
- Prepared Technical design document, use cases, Test cases and User manuals for various projects and good at Bug fixing, Code reviews, and Unit & System testing.
- Experience with Test-Driven Development (TDD) like N-Unit testing frameworks.
- Knowledge on Telerik third party controls.
- Excellent communication and interpersonal skills and have ability to handle multiple tasks, can take initiative to handle responsibilities independently as well as a proactive member of a team.
- Knowledge in Spring MVC framework, GIT, SVN.
- Knowledge on e-commerce platforms design and development.
- Experience working with Microsoft azure cloud platform and cloud deployment.

Certifications

Microsoft Certified: Azure Administrator Associate | Microsoft | Obtained: May 2024 | [View Certificate](#)

Microsoft Certified: Azure Solutions Architect Expert | Microsoft | Obtained: May 2024 | [View Certificate](#)

Technical Skills

Programming Languages:	C, C#, C++, T-SQL, PL/SQL, Java, Python
Technologies and Frameworks:	Microsoft .NET framework 3.5/4.5/4.6/4.7/4.8, ASP.NET MVC, MVVM, MVS, ASP.NET, Web forms, VB.NET, .NET Blazor, AJAX, ASP, ASP.NET Core 3.1/3.0/2.0/1.0, .Net Core 3.1/3.0/2.0/1.0, Micro Services, Tensor Flow, IIS Web Server, WPF, WCF Services, XML Web Services
Web Services:	Restful, Web API, WCF and SOAP
Database Technologies:	MS Access, MS SQL Server 2008/2019, NO-SQL, Oracle 11g/10g/9i/8i, MySQL, PostgreSQL, Entity Framework, LINQ, LINQ to objects, ADO.NET, JSON
UI Technologies:	HTML5, DHTML, bootstrap 3.0, typescript 2.0/2.1/3.1, CSS3, XML, JavaScript, Angular 1.3/1.4/1.5/1.6/2.0/4.0/10/12/14, React JS(16.14.0,17.0.1), Knockout JS, REDUX, jQuery, Node.js, VBScript, ASP, ADA, WCAG Compliance
Design Tools and Languages:	UML, Figma, Visio 2016
Cloud Technologies:	Microsoft Azure, AWS
Reporting Tools:	Crystal Reports, SSRS Reports, Power BI, Telerik Reporting
ETL Tools:	Microsoft SSIS
Version control tools:	MS Team foundation server, GIT, Jira, Azure DevOps, AWS Code Pipeline
Methodologies:	Agile, Scrum, DevOps
Tools:	N-Unit, Karma, Visual Studio Unit Test, Jasmine, Jenkins, Docker, Kubernetes
Operating Systems:	XP/Vista/Windows 7/8/10/11

Professional Experience

Client: 7 Eleven, Irving, TX.

Jun 2022 - Till Now

Role: .Net Full Stack Developer

Responsibilities:

- Interacted with business analysts and worked on the application specifications to develop detailed functional, technical design, and test specifications that fully satisfy business requirements
- Developed web applications with Angular as Front-end and .NET as back-end technology.
- Developed and designed web application with the Angular 12 and WEB API as backed layer by using .NET Core 3.1.
- Understand the requirements & participating in development walk through.
- Experienced working with modern front-end frameworks (Angular 12+, React, C#.net 8, JavaScript, CSS, XML, HMTL 5, SQL/T-SQL, Node.js, ASP.NET, Visual Studio 2019/2017.)
- Developed front-end for application using HTML, CSS, Angular Material, Directives, Decorators, and Bootstrap 3.7/4. Provided new and improved interface designs for enhancing user application experience.
- Involved in configuring integration between UI and services by using HTTP Client, RxJS and Interceptors.
- Strong working knowledge of object-oriented programming concepts and techniques.
- Worked on MVC Framework and ADO.NET Entity model.
- Developed and maintained reusable NuGet libraries.

- Used Micro service architecture, based services interacting through a combination of REST and leveraging AWS to build, test and deploy Identity Micro services.
- Experienced in Git & Git lab repositories usage.
- Demonstrated success in distributed systems, especially REST based services.
- Involved in test driven development methodology for implementation.
- Enhanced and maintained scheduled SQL Jobs running Microsoft SSIS packages and applications on MVC 2/4 and WCF.
- Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files, and Managed releases of Helm packages.
- Implemented CI/CD pipelines on Azure, streamlining the development lifecycle.
- Utilized Azure DevOps for efficient code versioning, continuous integration, and deployment.
- Written unit test cases & fixed some code smell.
- Responsible for implementing test cases using XUnit.
- Used MS SQL (2017) Server as the database for database connectivity.
- Implemented toggle features and modified the existing Smart application using new Angular with .Net core technologies.
- Supported the deployment process using tools like those that Team City and Octopus deploy.
- Participated with enthusiasm, curiosity, energy, perseverance, integrity, and desire to solve big problems.
- Good experience in developing components.

Environment: Angular 12+, React Js, Type Script, C#.net, .Net core 3.0, .Net MVC 5.0, XML, HTML 5, SQL/T-SQL 2017, React.js, Node.js, ASP.NET, X-Unit testing, code smell, Visual Studio2019, Agile scrum, Gitlab, Jira, Source Tree, Microsoft SQL Server 2014.

Client: USAA, Plano TX
Senior Software Developer

July 2021 – May 2022

Responsibilities:

- Used Agile SCRUM methodology to deliver in sprints and Status Meetings and Code Review Meetings.
- Developed an N-tier application, utilizing ASP.NET MVC for the presentation layer, C# for the business logic in the middle layer, and SQL Server for data service activities in the backend. Implemented the controller and model layers using ASP.NET MVC and Razor architecture, with code written in C# .NET.
- Implemented Design Patterns like Singleton, Factory Method, Abstract Pattern. Developed the presentation layer using BDD (Behavior Driven Development) pattern (User Story driven) approach along with Single Responsibility Principle (SRP).
- Utilized Node.js to enhance the backend functionality for policy creation, ensuring a streamlined and efficient process for clients when initiating new policies.
- Developed multiple reusable RESTful API's using WEBAPI which are used across components in the project.
- Employed LINQ to objects and LINQ to entity for efficient database interactions in data layer using Entity Framework.
- Implemented dynamic form creation using JSON. Utilized Windows PowerShell for automation and efficiency.
- Utilized AWS API Gateway to efficiently manage and expose multiple reusable RESTful APIs developed using ASP.NET Web API. Worked on token-based authentication (JWT) and SSO using OAuth 2.0.
- Contributed to maintaining UI consistency in a multi-technology stack that included Angular 12, React.js, HTML, CSS, Bootstrap, and jQuery in creating cohesive and visually appealing interfaces.
- Enhanced legacy web pages by adding ARIA attributes, semantic HTML tags, color contrast fixes, keyboard navigation to meet WCAG 2.0 AA compliance standards.
- Developed reusable components and services using TypeScript for CRUD operations in an Angular 12 structure, emphasizing code reusability and maintainability.
- Designed and implemented Oracle Stored Procedures, User-defined Functions, Triggers, and Views using PL/SQL.
- Designed message-driven workflows to enable real-time communication and seamless data flow between

disparate services using Kafka.

- Provided technical support, documented user manuals, and done N Unit testing for methods written in C#, automated testing, and end-to-end testing.
- Implemented SQL Server Reporting Services (SSRS) reports within the environment to meet data reporting needs.
- Created comprehensive test suites, executed automated tests using Karma and Jest. Analyzed Jest coverage reports and Implemented performance improvements for jest runs.
- Implemented Xamarin components to use Social Networking APIs to integrate them to the Mobile Application. Implemented SQLite database with Xamarin forms to save necessary information into device local database.
- Used Xamarin Insights for finding and debugging issues in the app. Used Xamarin test cloud to automate testing.
- Deployed applications on test and production servers, incorporating NuGet packages to streamline deployment.
- Implemented AWS Code Pipeline to establish CI/CD, configured Jenkins pipelines for building and deploying microservices onto Amazon Elastic Kubernetes Service (EKS) utilizing Docker for containerization.
- Utilized Git for version control and SonarQube for code reviews, ensuring code quality and adherence to best practices.
- Utilized Amazon EC2 instances for processing specific components. Critical data backups are secured in Amazon S3, ensuring a robust and scalable solution for data protection.
- Managed AWS Lambda for serverless computing, improving scalability.
- Implemented log4net for error logging in the database within the business logic layer.
- Leveraged SSIS to automate data extraction, transformation, and export for reporting, reducing manual effort by 20%.

Environment: C#, ASP.NET, ASP.NET MVC, N-Tier, Razor, Entity Framework, LINQ, Web API, Oracle, JSON, Windows PowerShell, Angular, React.js, Xamarin, SQLite, JWT, OAuth 2.0, NuGet, log4net, N Unit, SonarQube, AWS Code Pipeline, Jenkins, Amazon EC2, Amazon S3, Docker, Amazon Elastic Kubernetes Service (EKS).

Client: Centene Corporation, St. Louis, MO.

Mar 2020 – June 2021

Role: .Net Developer

Responsibilities:

- Design and develop web-based, desktop applications using Microsoft .Net stack hosted in Azure.
- Involved in the requirement gathering, design of the systems, and development using Agile.
- Enhanced the UI design for web applications.
- Created excel based reports using VBA, and Power Query.
- Created REST based APIs to form the middle layer for the UI systems (JSON input stream).
- Design the Database entities from Business Models using Entity Framework.
- Modified Web Services to interact with the other applications and exposed them using SOAP and HTTP.
- Used WCF for developing and deploying services on windows in line with the Service Oriented Architecture (SOA).
- Experience in Entity-Framework for Object-Relational Mapping (ORM).
- Used LINQ to build a set of operations, parameters, and expressions during the execution of a set of data from SQL Server.
- Developed Responsive Web pages that are rich in user interaction using ReactJS, HTML5, CSS3, JavaScript, Bootstrap, Animate, Git, and JSON.
- Application Development, Implementation, and Maintenance using Extensive experience in ASP. NET MVC &. NET CORE.
- Experienced user of Microsoft Office applications including Word, Access, Excel, Visio, and PowerPoint and Familiar with FrameMaker, Webworks Publisher, and graphics tools.
- Extensive Knowledge of Microsoft .NET design Patterns including Dependency Injection (DI), MVVM, and MVC.
- Worked with Node JS as a Backend Server Technology for Making web service calls.
- Developed Stored Procedures, Triggers, and Views in SQL Server 2012 for accessing the database.
- Developed many T-SQL queries to fetch data as per the business requirements with proper tuning techniques.

- Enhanced the performance of the application by constantly monitoring the queries by running Execution plans and query optimization techniques in the SQL server.
- Involved in the Unit and Integration testing.
- Developed several REST web services supporting both XML and JSON to perform tasks.
- Experience in using API for making Ajax calls to servers.
- Developed web application using .Net Core 2.0 framework. Used Entity Framework ORM as repository layer to connect to database. Implemented LINQ queries to perform CRUD operations.
- Integrated with other systems using Azure Event Hubs and Topics (Microsoft Azure specific Messaging and queue services).
- Performed unit testing on the code and delivered test-driven approach development.
- Mapping the business requirement to the technical specification and detailed design documents.

Environment: Visual Studio 2015, C#, ASP.NET MVC 5.0/4.0, Entity Framework 6.0/4.3, .NET Framework 4.5, Rest full Services, WEB API, TFS 2013, jQuery, JavaScript, AJAX, JSON, IIS 7.0, Microsoft Azure, HTML5, CSS3, SQL Server 2012(SQL, Stored procedures, Triggers).

Client : Humana Insurance, Louisville, KY

Sep 2018 – Feb 2020

Role: .Net Developer

Responsibilities:

- Worked in Agile/ Scrum Environment to develop the application by meeting the timelines of the project.
- Involved in upgrading the application to ASP.NET Core 3.1 from ASP.NET MVC 5 version for improved security and faster in-memory performance.
- Implemented business logics using C# ASP.NET Core features.
- Utilized Entity Framework Core's features such as LINQ queries, migrations, and database seeding to streamline development and maintain data integrity.
- Developed front-end using Angular 9, HTML5, CSS3, jQuery, Ajax, and Bootstrap.
- Implemented custom Angular 9 directives and services to optimize code reusability and maintainability.
- Developed accessible views using Master Pages, Partial Views, and Custom HTML Helpers with Razor View Engine, ensuring compliance with WCAG 2.1 AA standards. Implemented proper semantics, keyboard navigation, ARIA roles, and optimizations for screen readers.
- Wrote Complex nested queries, stored procedures, Triggers, Functions, and Indexes to improve the throughput of application using optimized queries in SQL server, and Multithreading.
- Designed MongoDB for storing application log streams and unstructured data.
- Performed unit testing, performance testing using MS Test for C# code base.
- Implemented security controls including OAuth tokens, HTTPS endpoints, request throttling to secure application.
- Developed and deployed back-end services to Azure cloud and used Azure Service Bus to build a real-time data exchange interface to sync data.
- Containerized backend APIs using Docker containers for portability across dev/test/production environments.
- Involved in autoscaling of core application components using Azure Kubernetes Service to easily handle over 50% increase in traffic during peak registration weeks.
- Used JIRA as the bug tracking tool and integrated with Jenkins to use GIT for code versioning and repository.

Environment: ASP.Net Core 3.1, ASP.NET MVC 5, Razor View Engine, ASP.NET, C#, SQL, RESTFUL Service, MS Azure, Angular, RxJS, jQuery, LINQ, MS Test, Web Role, Azure Storage, Azure SQL, AJAX, HTML5, CSS3, Entity Framework, SQL Server, Git, Visual Studio, SDLC, Jira, Docker, Azure Kubernetes Service.

Client: Napier Healthcare, India

Jun 2016 – May 2018

Role: .NET Developer

Responsibilities:

- Prepared program specifications and Prototypes and Developed applications using C#.NET, VB.NET.
- Developed web application using ASP.NET, AJAX, Java script, HTML, XML, CSS.
- Developed Windows applications using C#.NET.
- Developed daily runnable scheduled jobs using C#.NET console applications.
- Developed SOA based web services.
- Developed stored procedures, functions, triggers, and views for SQL DB.
- Wrote unit test cases and integrated test cases to validate the application against the gathered requirements.
- Involved in code review for quality assurance and deployed the code and reviewing unit test cases.
- Rebuilding Indexes and Tables as part of performance tuning exercise.
- Used SQL Profiler to view indexes performance to mostly eliminate table scan.
- Implementing exception handling at various level such as control layer, Business layer, Data layer and stored. Implemented threading concepts for multiple requests handling.
- Used classes, abstract, and interface based on requirement.
- Created virtual networks in cloud for windows azure.
- Worked on creating endpoints to provide remote access to the services running on virtual machine.
- Used Azure to store tables, blobs, and message queues.
- Used Azure Active directory to manage the database of users in a protected manner.
- Coordinated integration testing with testing team and maintained the source code versioning using Team Foundation Server.
- Properly documented activities, changes, and database best practices for future reference.
- Provided production support and involved in change requested that vary on time.
- Involved in daily standup meeting for tasks allocation and tasks status.

Environment: Visual Studio 2005, C#, HTML, JavaScript, ADO.NET, PowerShell, SQL Server 2005, Ajax, CSS, C#.NET, jQuery.

Client: MB Solutions Pvt Ltd, India.

July 2014 – May 2016

Role: .NET Developer

Responsibilities:

- Used 3-tier architecture like Presentation layer, Logic Layer and Data Access layer for developing the application.
- Used grids for data storage instead of ASP.NET Data Bound Controls.
- Involved in designing and developing the user interfaces.
- Involved in gathering the customer software requirements and developing the related programs.
- Involved in the application testing and fixing of bugs.
- Implemented validation for the client using jQuery and JavaScript.
- Used SSRS for designing reports.
- Management of users, groups and server roles using PowerShell.
- Created PowerShell scripting for deploying the applications in different environments.
- Implemented Ajax components to improve the performance of the web page.
- Involved in manual testing on web pages.

Environment: ASP.NET 2.0/3.0, Visual studio 2008, SQL Server 2008 R2, .NET Framework 3.0, C#, ADO.NET, VB.NET, ASP.NET, EXCEL, XML, XSLT, Web services, HTML, DHTML, JavaScript, Silverlight, AJAX, IIS 6.0, CSS, jQuery, LINQ.
