**Abhishek**

**Sr .NET Full Stack Developer**

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**Professional Summary:**

* Overall 10+ years of strong professional **.NET** development experience in requirements analysis, system design, development, implementation, and coding of web applications using **Microsoft .NET** technology.
* Involved in all aspects of Software Development Life Cycle (**SDLC**) using **Agile Scrum**, **Waterfall** methodologies.
* Extensive **JavaScript, TypeScript, ECMA script** knowledge including the proficient use of **Design Patterns** such asMVC, Singleton, Session Façade, Service Locator, Visitor, Observer, Decorator, Front Controller, Data Access Object.
* Well experienced in developing web applications using frameworks and concepts like **Angular 8/9/10/12/14** and **React** with JavaScript, jQuery, Bootstrap, AJAX, JSON, HTML5, XML, XSLT, XHTML.
* Experience in building web applications using **.NET** technologies, Web Applications, Web Services, **ASP .NET MVC 5** with **Razor, .NET Framework** 3.5/4.0/4.5/5.0/6.0**,** C# (Strong OOPS), ASP .NET CORE, ASP .NET 5.0, ADO .NET, Entity Framework, LINQ, WCF, SQL Server, WPF, MSSQL, Win forms, Web forms.
* Skilled in implementing authentication strategies, **JWT** tokens, OAuthand **OAuth2**, and Single Sign-On (**SSO**).
* Leveraged web services with technologies like SOAP, REST, XML and WSDL. Experienced on **REST** services using ASP.NET Web API and C#, used Web API to provide services to **HTTP** Requests.
* Expertise in using MS SQL Server SSIS, SSRS and Oracle, PostgreSQL.
* Skilled in creating complex Stored Procedures, Views, Triggers, Functions, **T-SQL**, Indexes, Joins, and Cursors using **PL/SQL**.
* Extensive experience with **NoSQL** databases like MongoDB, Cassandra, Redis, and DynamoDB.
* Highly experienced in using Azure Cloud, AWS, CI/CD, Microservices, Docker, Jenkins, and Kubernetes.
* Experienced in **automated testing** in collaboration with **QA** andtesting frameworks such as Jasmine, Karma, and NUnit.

 **Technical Skills:**

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| Programming Languages | C, C++, C#, .NET (6.0/5.0/4.5/4.0/3.5/3.0), VB.Net (10.0, 9.0, 8.0), Python |
| .NET Technologies | AJAX, ASP.NET, ASP.NET Core, .NET5, .NET6, .NET7, ASP.NET MVC, Entity Framework, Entity Framework Core, ADO.NET, WPF, WCF |
| Web Technologies/ Frameworks | Angular 8/9/10/11/12/13/14, React, Redux, Bootstrap, Vue.js |
| Web Scripting Languages | JavaScript, JSON, jQuery, CSS, HTML, DHTML |
| DevOps Tools | Jenkins, Docker, Kubernetes. |
| Database | SQL Server, Oracle, MySQL, PostgreSQL, Mongo DB, Dynamo DB, |
| XML Technologies | XML, XHTML, DHTML, XSL, XSLT, SOAP, WSDL, Web services |
| Cloud | Azure, AWS, PCF |
| Testing Frameworks | JUnit, NUnit, Jasmine, Karma, Mocha, TestNG, Cucumber, Jest, Selenium |
| Version Control Tools | TFS, GIT, VSS, SVN, GitHub |
| Others | Postman, Swagger, IIS, Apache Tomcat, Jira, Kafka, IBM MQ, Rabbit MQ |

 **Professional Experience:**

**Client: Broadridge, Newark, NJ June 2022 – PRESENT**

**Role: Sr Full Stack .NET Developer**

**Roles and Responsibilities:**

* Involvement in requirement gathering, analysis, designing, documenting, implementing, and testing websites by following **Agile/Scrum** methodologies.
* Developed application as web-based n-tier application with **UI** in presentation layer using Visual Studio 2022 **.Net core 6**, **ASP.NET** **MVC 5.2.9,** business logic in middle layer using **C#.Net**.
* Worked with advanced concepts of **ASP .NET Core MVC** like Models, providers, Filters used for developing back-end services.
* Developed **Restful Web Services** using **WEB API** for communicating with the in-rule service.
* Used **ASP .NET MVC 5,** for developing views, controllers and models using, **Razor**, Data Access layer as **Entity Framework**, Service layer as **ASP.NET Web API** and used **C#.NET** for writing logic for developing various abstract classes, interfaces.
* Used Code First Approach and **Entity Framework** for Data Access Layer (**DAL**).
* Implemented authentication mechanisms, such as **API** keys, **OAuth2.0** or token-based authentication (**JWT**), to secure **API** calls.
* Worked on enhancing webpages using **Angular 14, CSS,** and integration with **MVC 5.0/Web API**.
* Used **Express** Framework to set up middleware to respond to **HTTP** requests with the help of **Node JS.**
* Involved in the development of web applications using **MVC5** and server-side code using C# classes and **.NET Framework 4.8**, and front-end technologies like **AJAX** Library, **JSON**, **CSS3, HTML5, and jQuery**.
* Designed **ETL** packages for extracting the data and loading it into the appropriate tables in the database using **SQL SSIS.**
* Written various **T-SQL** Queries, created Indexes, triggers, views, functions, and Stored Procedures in transact **SQL** and **PL/SQL** for accessing data using the **SQL Server** **2022**.
* Used **Apache** **Kafka** Connect to synchronize data with a **SQL-based** backend database in **Azure**.
* Integrated MongoDB 5 as a NoSQL database, providing flexible and scalable data storage and retrieval capabilities.
* Utilized Azure Cosmos DB as a NoSQL database for flexible and globally distributed data storage.
* Designed and implemented scalable and resilient message queuing solutions using Rabbit MQ for .NET applications, enabling asynchronous communication between distributed components.
* Implemented JWT Token Authentication/Authorization to communicate with client (.NET Core MVC) and server (.NET Core API)
* Set up CI/CD Pipelines in Azure DevOps and worked on Azure Data Factory pipelines.
* Deployed applications on Microsoft Azure, utilizing Azure DevOps for source control and versioning.
* Successfully implemented a complete Azure DevOps integration, automating and streamlining workflows.
* Established CI/CD services using VSTS, TFS, and Git.
* Examined the existing build and release procedure and used PowerShell scripts to automate it.
* Automated testing using C#.NET and N-unit.
* Implemented automated testing using frameworks like XUnit and Jasmine for unit testing of both back-end and front-end components.
* Developed automated test scripts using Selenium WebDriver in C# for web application testing.
* Responsible for automation and orchestration of deployment to various environments using **Gitlab**, **CI/CD** Pipelines.
* Performed **Back-End Testing** (**NUnit**) for data validation using **SQL Queries** and developed a **QA automation test** framework.
* Utilized the **Jira** tool for defect management, ensuring effective tracking and resolution of software issues.

**Environment:** ASP .NET, MVC5, C# .NET, Web API, Angular 14, Entity Framework, Web Forms, JSON, Bootstrap, MY SQL, SSIS, SSRS, swagger, jQuery, HTML5, LINQ, JavaScript, CSS3, AJAX, GIT, Azure Functions, Azure API Management, CI/CD, Jira.

**Client: CVS Health, Woonsocket, RI Oct 2020 –May 2022**

**Role: Full Stack .NET Developer**

**Roles and Responsibilities:**

* + Worked within an **agile** development process, using **TFS** to plan sprints, create backlogs, and manage work items accordingly.
* Developed web pages using ASP.NET, MVC 5, ADO .NET, C#, Angular 10, HTML5, CSS3, Bootstrap, JavaScript, jQuery.
* Developed server-side APIs using technologies such as ASP.NET Web API or ASP.NET Core and Integrated mobile applications with backend services and APIs using .NET technologies such as ASP.NET Web API.
* Consumed RESTful APIs from the .NET backend and other external services using Vue.js, handling data retrieval and updating.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture by Angular.
	+ Developed and exposed endpoints using ASP.NET Web API 2.0 and integrated .NET core Pipelines and used token-based authorization using **OAuth 2.0**.
	+ Developed Web application using ASP.Net, ASP.Net Core 5.0, MVC5, and C #, ADO .NET, JavaScript, Angular.
	+ Implemented **Angular 10** frameworks in **AJAX**-driven websites using a proxy to get data from the backend in form of **JSON** to populate on UI components.
* Worked on **Angular 10** by consuming **RESTful** web services and used Angular 12 forms like **Template** Driven forms and Modern Driven forms to perform form validations both on server and client side.
* Created **JSON** Data and stored it as documents comprising documents, data types and conversions in **MongoDB**. Executing and Composing **MongoDB** scripts to insert and update the **NoSQL** database and reporting.
* Optimized **Microservices** using NodeJS and ES6 as interfaces to **MongoDB** NoSQL database.
* Used **AWS** to deploy the project on **EC2** instance. Hands-on serverless deployments through **AWS CLI.** Changing the AWS infrastructure **Elastic Beanstalk** to **Docker** with **Kubernetes**.
* Worked with **ADO .NET,** **Lambda expressions** to query and retrieve selective-based information from collection objects.
* Architected robust backend data storage and retrieval through the integration of MongoDB with ASP.NET Core applications and Web Services.
* Implemented authentication and authorization using JSON Web Tokens (JWT), ensuring secure and authenticated access to applications and APIs.
* Successfully implemented OAuth 2.0 mechanisms, ensuring secure user authentication and authorization.
* Managed seamless cross-service interactions through Rabbit MQ.
* Created CI/CD Pipeline using TFS and Azure DevOps.
* Successfully implemented a complete Azure DevOps integration, automating and streamlining workflows.
* Conducted functional, regression, and end-to-end testing using Selenium and API testing using REST on the JUnit framework
* Created Automation Testing Framework using **.NET Selenium** to test application functionality and was responsible for adding test scenarios and review **test scripts** written by the testing team.
* Using **GitHub** for Source Code checking checkout and working on creating build and deploy pipelines in **Jenkins** for **CI/CD**.

**Environment:** ASP.Net Core 5.0, .Net Framework 4.8, C#, VB.NET, Typescript, Angular 12, Web API, ADO .NET, OAuth 2.0, JWT, CSS3, AWS Lambda, EC2, S3, HTML5, Bootstrap, JavaScript, jQuery, AJAX, Mongo DB, NUnit, Selenium, IIS, TFS, Jira.

**Client: State Of Tennessee, Nashville, TN Oct 2018 - Sept 2020 Role: Full Stack .NET Developer**

**Roles and Responsibilities:**

* Experienced with **Agile** methodology and familiar with document drafting and **Agile Scrum** Software Development Life Cycle (**SDLC**), DevOps as well as Waterfall methodologies.
* Used asynchronous programming techniques to make non-blocking **API** calls, ensuring responsiveness in the application.
* Integrated **VB.NET** applications with external systems and **APIs**.
* Developed a web application using various technologies such as **ASP.NET, MVC, C#, JavaScript, jQuery, Bootstrap, Entity Framework, ReactJS, and AJAX.**
* Validated the client-side user inputs with **ASP .NET** **MVC** validation controls and custom Java scripts.
* Used **React/Redux** event handling mechanism to dynamically assign events on web controls.
* Extensively used **React UI for ng-grid** and **UI components** and was responsible for making **AJAX Calls** for the UI Interactions to the Controller Actions using **jQuery** and getting the data back as **JSON** and parsing it onto the **UI**.
* Migrated data from on-premises data servers onto the **Microsoft Azure** Cloud platform utilizing **Azure data factory** and deployed the application to the **Microsoft Azure Cloud Service** project as part of cloud deployment.
* Interacted with backend **Oracle** and developed **Stored Procedures, Triggers, Functions,** and **Cursors** for deleting and inserting using **PL/SQL,** to calculate and update the tables to implement logic using **Oracle.**
* Configured build pipelines in **Azure DevOps** to automate the compilation and build processes.
* Created complex store procedures and functions on **SQL** **Server 2017** Databases.
* Developed **REST/WCF** Web services, and **ASP.NET WEB APIs** and involved in pre-testing using **POSTMAN.**
* Integrated MongoDB or Cosmos DB into .NET applications, designing schemas and data models tailored for NoSQL databases.
* Constructed JWT Token-based authentication for Web API, ensuring a secure and authorized access environment.
* Successfully implemented OAuth 2.0 mechanisms, ensuring secure user authentication and authorization.
* Played a pivotal role in the adoption of CI/CD pipelines using Azure DevOps, streamlining the development process and automating deployments.
* Implemented comprehensive monitoring solutions for MS MQ and RabbitMQ, providing real-time insights.
* Successfully implemented a complete Azure DevOps integration, automating and streamlining workflows.
* Performed Unit testing using **NUnit,** and resolved **functional issues** reported by QA and involved in production support.
* Worked on **TFS** for version control, **Code Review** for automatic builds, and continuous Integration.

**Environment:** ASP.NET WebAPI, MVC, React, Bootstrap, AJAX, HTTP, REST, SQL Server, WCF, HTML, WebAPI, SOAP, Azure, TFS, Postman, Entity Framework, JavaScript, HTML, CSS, jQuery, Azure API, Oracle, Azure PaaS, Git, Azure Boards.

**Client:** **GE HealthCare Milwaukee, Wisconsin Sept 2016 - Aug 2018**

**Role: Sr .NET Developer**

**Roles and Responsibilities:**

* Developed **MVC** applications using **ASP.NET MVC**, **IIS 8.0, SQL Server 2016**, and **Visual Studio 2013/2015.**
* Hands-on experience with MVC, Entity Data Model, RESTful, and WCF services for application development.
* Used **Razor** engine for creating web pages in **Model View Controller (MVC)** architecture in the **ASP.NET** web pages.
* Implemented Web Services in C#.NET and VB.NET based on SOAP protocol using XML extensively for data transfer.
* Designed the **Web UI** and **Web API** Layer and created different single-page applications using React.
* Hands-on experience creating, consuming, and configuring **WCF** Services with **SOAP, WSDL** and data to develop Service Oriented Architecture (**SOA**) applications, and REST Services using Web API.
* Used View Data, View Bag and Temp Data for data communication between controllers and views of **MVC** Web application.
* Developed several **SOAP** and **REST API**-based internal tools and deployed in Cloud Foundry, **AWS** **S3**, and **Kubernetes.**
* Used Validation Controls in **ASP.NET MVC** and developed custom validation controls for validating views of web page.
* Generated business intelligence reports using **MS SSRS** and have worked with Azure virtual machines.
* Orchestrated MongoDB integration, harnessing NoSQL capabilities for crafting modern web applications using ASP.NET MVC 5 and AngularJS 7.
* Implemented JWT Interceptor for token-based authentication in Angular
* Successfully implemented OAuth 2.0 mechanisms, ensuring secure user authentication and authorization.
* Integrated Rabbit MQ for Windows with Direct Exchanges, facilitating data integration with Services through Consumers and Producers.
* Designed and implemented scalable and resilient message queuing solutions using Rabbit MQ for .NET applications, enabling asynchronous communication between distributed components.
* Successfully implemented a complete Azure DevOps integration, automating and streamlining workflows.
* Exposed the **API Metadata** using **Swagger** for external systems.Performed **Unit Tests** to fix the bugs and ensure the application was error-free.

**Environment:** ASP.NET MVC, Bootstrap, AJAX, ADO.NET, WCF, VSS, SVN, TFS, AWS, AWS Lambda functions, MS SQL, Oracle, Git, BitBucket, SOAP, WSDL, Web API, NPM, Swagger, Unit Testing.

**Client: Walmart, Bentonville, AR Feb 2015 - July 2016**

**Role: .NET Developer**

**Roles and Responsibilities:**

* Hands-on experience in designing, developing, and testing various applications and services using technologies such as Windows Forms, Web Forms, **Web Services, IIS, ASP.NET, C#, XML Dataset, and .NET Framework**.
* Implemented a subaccount web application from scratch based on .**NET Core 1.1,** including dependency injection (**DI**) and **Entity Framework** Core, identity user roles.
* Used **Angular 2** to connect the web application to back-end **APIs** and wrote custom directives for a responsive, CSS-animated user interface.
* Coded business logic and database logic for the Product Microservices using **ASP.NET Core 1.1,** Entity Framework Core, and the repository pattern within a Microservices architecture.
* Implemented **CRUD** operations using **HTTP** services to call Product, Order, and Account services.
* Utilized Crystal Reports for creating reports, **ADO.NET** for database access, and performed unit testing.
* Worked on cross-browser compatibility using **jQuery** and implemented client-side **JavaScript, DHTML** scripts, and server-side Regular Expressions for **input validation**.
* Implemented automated testing using tools like SpecFlow and **Selenium** WebDriver to perform end-to-end testing.

**Environment:** C#, ASP.NET, ASP.NET Core 1.1, VB.NET, SQL, VSTS, HTML, CSS, ADO.NET, jQuery, DHTML, SQL, API, Web Services, IIS, XML, HTTP, XSL.

**HSBC, Hyderabad, India Aug 2013 - Nov 2014**

**Software Engineer**

**Roles and Responsibilities:**

* Used **ASP.NET, HTML,** and **CSS** for web page development.
* Developed n-tier web application using ASP.NET MVC, C#, ADO.NET, HTML, CSS, XML.
* Developed custom modules with **ASP.NET** and **C#**. Created WinForms applications using **C#** and **SQL** servers.
* Wrote stored procedures and functions in **T-SQL** for data operations.
* Implemented Data Access Layer using ADO.NET, Entity Framework, and LINQ.
* Worked on LINQ queries and ORM tools like Entity Framework to exchange data between web services and database objects.
* With the help of Entity Framework, made a connection to the services and Oracle database.
* Used JSON to transmit data between Server and Web Application, an alternative to XML Serialization
* Performed database **CRUD** operations like **CREATE**, **INSERT, DELETE,** and **UPDATE** operations.
* Involved in the validation and verification of the data and maintenance of the Bug tracking and reporting system.
* Assisted in **system testing** and Performed Unit Testing by using the automated testing framework **NUnit.**
* Documented the test cases, test procedures, test scripts, and test metrics.

**Education:** Bachelor of Technology in Computer Science – JNTU.