**SAQIB ALI**

**USC**

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**PROFESSIONAL SUMMARY:**

* 6+ years of experience in IT including Analysis, Designing, Development, Testing, Bug fixing and Implementation in the Software Development Life Cycle (SDLC) of Client/Server and Web Technologies for various N - Tier applications.
* Thorough knowledge of Waterfall and Agile Methodologies in Application Development with hands on experience working on Agile Development Team following SCRUM Methodology and paired programming using Test Driven Development (TDD).
* Exposure to all the stages in SDLC gathering requirements, software design, and development and testing/support using Microsoft Technologies and Azure Cloud Computing.
* Experience with Data Accessing including using Data Adapter, Data Reader and Dataset in ADO.NET and Language Integrated Query (LINQ) Providers for data manipulation.
* Developed the presentation layer by using Telerik RAD Ajax controls and web server controls.
* Work with cross functional teams planning, modelling, and implementing solutions utilizing NoSQL technologies.
* Experience in working with Angular 2+ modules, services, templates, directives and dependency injection to create a SPA.
* Experience in various stand - alone, intranet, client-server and web-based software applications using Microsoft Visual Studio … Microsoft .NET Frameworks …, C#.NET, VB.NET, Angular 6/7, WCF, WPF, ADO .NET, SQL Server … JavaScript, WPF, AJAX and SQL
* Designed design diagrams, class diagrams and sequence diagrams using UML.
* Experience in developing Microservices using ASP.NET core.
* Manage environments for legacy codes using specific Docker containers based on the required architecture.
* Used Version Controlling tools such as GIT, Team Foundation Server (TFS).
* Hands on Experience on Angular 2+ CLI (Command line Interface).
* Extensive experience building (.Net C#) applications, WCF Services and Web Services, (VB.Net) applications; JavaScript based (.Net) applications, Win Forms Applications; and (SSRS) Reports.
* Experience in developing Web API Controllers (Web API 2) in ASP.NET MVC 5 to build, maintain Restful API's.
* Extensive experience in writing Node.js express server, and using technologies like JavaScript/JQuery, JSON to make connections between server and databases like PostgreSQL and Web API.
* Used AngularJS as development framework to build Single Page Application (SPA).
* Expert in Microsoft Technologies like C#, ASP.NET 5.0/4.5/4.0, MVC 5.0/4.0, Entity Framework 6.0/5.0/4.0, ADO.NET, SQL Server 2014/2012/2008 R2, WCF 4.5/4.0, Web API RESTful Services, IIS 7.0/6.0.
* Experienced in Unit Testing, applied Microsoft Unit Test Framework and Nunit for the MVC, Web API controllers and Jasmine to test AngularJS functionality.
* Experience in designing and developing the BDD/ATDD frameworks and worked very closely with the scrum master, product owner and users to derive the Scenarios and created feature files, Step definitions test using Cucumber tool.
* Profound experience in creating real time data streaming solutions using Apache Spark /Spark Streaming, Kafka and Flume.
* Experienced in Object Relational Mapping (ORM) using ADO.NET, Entity framework 5.0/6.0, and LINQ and Lambda expressions.
* Developed service oriented architecture solutions (SOA and Microservices) using Restful APIs.
* Expertise in Working with databases SQL Server, Oracle, IBM DB2 by writing Queries, Stored Procedures, Views, UDF and Oracle Synonyms and using T-SQL, Maintaining Database, experience in Query optimization.
* Expertise in ASP.Net Core, MVC and ASP.net applications, WCF Service, LINQ, Entity Framework.
* Proficient in Object oriented analysis and design practices, object modelling, use cases, activity diagrams and class diagrams using UML.
* Experience in handling messaging services using Apache Kafka.
* Designed/Developed Error Reporting Utility in DOS/FSI using C .NET, VB.NET, SQL Server. This utility is used by many applications of FSI. In runtime in production environment, the utility catches any error message through Application Error event and save it into DB.
* Experience on DevOps essential tools like Docker, Kubernetes, GitHub, Maven and Jenkins.
* Experience in SQA including Manual and Automated testing with tools such as   Selenium WebDriver/IDE, Junit/TestNG, JIRA, Ant, Maven and Firebug.
* Worked on Angular 8/9 components, UI services to consume rest services using Component based architecture provided by Angular 6.
* Experience in working with messaging systems using message brokers such as ActiveMQ and RabbitMQ.
* Experience in using Angular.js to test views and to do end to end unit testing by using Continuous Integration/Continuous Deployment(CI/CD)
* Experience working with MVC 2.0/3.0/4.0/4.5/5.0, RAZOR, and MVVM design patterns.
* Worked with Node JS as a Backend Server Technology for Making web services calls and
* Proficiency in deploying Web building technologies like jQuery, JavaScript, ECMA script (ES6), Type Script, Gulp JS, JSON and Node JS.
* Expertise in developing windows communication foundation services to expose useful functionality to Web users and Developed Web APIS for backend data communication.
* Well versed in N-Tier Architecture and Web applications using Windows forms, Web forms and Windows services, SOAP, IIS and XLST.
* Experience with JIRA, GIT, GitHub, Team Foundation Server (TFS), Microsoft Visual Source Safe (VSS), SVN.
* Experience in designing and implementing infrastructure as code and CI/CD pipeline for deployments of large-scale web applications.
* Expertise in Microsoft Azure Cloud Services (PaaS & IaaS), Application Insights, Document DB, Azure Monitoring, Key Vault, Visual Studio Online (VSO) and SQL Azure.
* Excellent knowledge of Object Oriented Design Patterns and Model View Controller (MVC).
* Hands-on experience with SQL Server Integration Services (SSIS) and Reporting Services (SSRS) packages for import and export of data for creating reports for Business users and Management.
* Experience in working with Angular 6/8/9/10 Components, Directives, Pipes, Services and Modules using Type Script as Programming Language.
* Knowledge in using Source Controls like Team Foundation Server (TFS), Subversion (SVN) and Visual Source Safe (VSS).
* Experience on working with No SQL databases like Microsoft Azure Database, Cassandra DB and Mongo DB.
* Performed and implemented many Web forms in GUI development including client server components, custom controls and user controls.

**TECHNICAL SKILLS:**

**.Net Technologies:**ASP.NET, VB.NET, C#, ADO.NET, WCF, WPF, LINQ, Entity Frameworks, ASP.NET MVC.

**Languages:**C, C#, VB.

**Scripting Languages:**Java Script, VB script, jQuery, Angular JS, Angular 2, Type Script, Gulp JS, Node JS, Angular 2/4/6/8/9

**Web Technologies:**ASP, XML, XAML, XSD, XSLT, Angular JS, JSON, HTML 5, CSS, Bootstrap, SCSS.

**Web Services:**IIS, IBM Web Sphere, REST, SOAP.

**Version Controls:**Team Foundation Server (TFS), SVN, Visual Source Safe (VSS).

**Development Tools:**Microsoft Visual studio 2012/2010/2008/2005, Microsoft Visual Basic 6.0, C#, Java Script, N-Hibernate.

**Database:**Microsoft SQL Server, Oracle, IBM DB2, Mango DB.

**Reporting Tools:**Crystal reports, SSRS.

**Caterpillar - Chicago, IL**

**May 2019 to Present**

**.Net Developer**

**Responsibilities:**

* Involved in the complete Software Development Life Cycle including Analysis, Design, Implementation, Testing and Maintenance using agile methodology.
* Object oriented Programing (OOP) technology was extensively used for developing re-usable components using C#. NET and VB.NET.
* Extensive knowledge and understanding of Microsoft Azure platform which includes Azure App Services, Cloud Services, Azure Storage Services, Azure Service Bus, Azure API Management, Active directories and Service Bus).
* Prototyped new features and ideas - Google Drive Drawing, Photoshop, HTML, XML, Sass and Angular 8/9.
* Implemented AngularJS provider injection to handle the request to WebAPI’s (Build a factory to return each of the RESTful services).
* Design and development of new requirements, fixing existing bugs and improving the responsiveness of the application using C#.Net,VB.Net
* Design and develop a user entry monitoring app dashboard to be installed in premises utilizing Node JS, Socket IO and .NET frameworks (4.6/4.5).
* Used Spark for real time streaming the data with Kafka.
* Created Restful APIs Using MVC 5.1 web API.
* Experienced in developing test-driven development (TDD) strategy guiding use of the Nunit unit testing framework.
* Troubleshooting and fixed a wide variety of issues on Windows 2008/2012 servers and IIS 7.5/8.0 websites.
* Created Oracle packages, procedures, functions and triggers.
* Designed and developed Hybrid-Single Page Application using C# 5.0, .NET Framework 4.5, ASP.NET MVC 5, and AngularJS 1.5.
* Experience in working with version tools such as MS Visual SourceSafe and Team Foundation Server TFS.
* Created Stored procedures using PL-SQL for data modification (Using DML insert, update, delete) in PostgreSQL.
* Used Team foundation server (TFS) as source control repository for code version on CI/CD.
* Implemented Angular 2+ frameworks in AJAX-driven websites using a proxy to get the data from the back end in the form of JSON to populate on the UI components.
* Worked with ASP.NET Web Forms, Web Services, and State Management, caching features, configuring optimizations and securing the web application.
* Set up Jenkins server and build jobs to provide continuous automated builds based on polling the Git source control system during the day and periodic scheduled builds overnight to support development needs using Jenkins, Git, and NUnit.
* Applied unit testing with Jasmine for AngularJS.
* Worked on WebAPI’s and RESTFUL Service API using WCF 4.0 which return XML and JSON data using WCF attributes.
* Developed SSIS packages and scheduled jobs running SSIS packages using SQL Server to perform several scheduled tasks and workflows.
* Used Angular 8 to connect the web application to back-end APIs, used RESTFUL methods to interact with several APIs, and wrote custom directives for a responsive, CSS-animated user interface.
* Developed schema MongoDB and PostgreSQL database.
* Extensive experience of Rational Unified Process (RUP), UML, XML, HTML, SQL and Stored Procedures.
* Version control using TFS and Git for the different services, frontend and backend applications. CI/CD setup using Jenkins.
* Developed a data pipeline using Kafka, HBase, Spark and Hive to ingest, transform and analysing customer behavioural data.
* Design and development of C#, VB.Net based Application for new requirements, fixing existing bugs and improving the responsiveness of the application.
* Used Entity Framework and LINQ to Entities to Connect to the Database and perform all the database transactions.
* Developed RESTful API using ASP .Net Core 1.0 with MVC Framework and Entity Framework 6 as ORM tool for Database Access layer.
* Used GIT for version Controlling and source code sharing and used MSBuild.
* Worked on SQL Server Agent, scheduled SQL JOBS and automated SSIS packages execution on daily basis and implemented logging framework.
* Worked with Rabbit MQ for Queues to build the application as SOA platform.
* Wrote Unit test to test .Net Core web API Action methods using XUnit.
* Modified WCF Web Services to interact with the other applications and exposed them using SOAP and HTTP.
* Developed connectors (Python, MongoDB, and PostgreSQL) for real-time market data aggregation platform.
* Create and modified Oracle database tables, create or modify table constraints and create indexes.
* Designing and Developing user friendly web applications using C#, ASP.NET MVC, ASP.NET CORE, JAVASCRIPT, Angular 2+, EF CORE, ASP.NET WEB API, SPA, and SQL Server.
* Designed and developed SQL Server Reporting Services (SSRS) SQL Server 2010/2012/2015.
* Responsible for Test Driven Development (TDD) or Behavior Driven Development (BDD) approaches to developing and testing software.
* Experienced with NoSQL MongoDB in working with collections, indexes, shards and other database management tasks.
* Involved in Designing, Development and Testing of Web Forms using ASP.NET, .NET Framework.
* Implemented WCF Rest service by passing large file as method argument through JSON.
* Updated dashboard front end to support multiple dashboards and their CRUD operations using Typescript.
* Implemented and exposed the Microservices based on Restful API utilizing JAX-RS.
* Created event driven Web Forms using ASP.NET and implemented form validation using Validation controls using both Custom validation and JavaScript was written for Client-side validations and used the new validation controls in Visual Studio 2015.
* Implemented Spring boot Microservices to process the messages into the Kafka cluster setup.
* Worked on implementing CRUD operations using Mark logic NoSQL REST API Services.
* Experienced in developing API services on C# while leveraging AMQP and RabbitMQ for distributed architectures.
* Worked with Mongo DB and SQL server as database for Project.
* Extensively worked on migrating legacy ASP web pages into ASP.NET pages.
* Used JSON objects for better data transfer from Azure Table Storage to on premise environment.
* Developed tables, stored procedures, views, functions and triggers to perform automated rules, updating to related tables in SQL Server.

**Environment:** .Net core, Visual Studio 2017, C#, ASP.NET 3.5, Net Frame Work 4.5, Confidential, JavaScript, Angular 8/9/10, SILVERLIGHT 4.0/3.0, TFS 2010, Confidential, IIS 7.0, AJAX, ADO.NET, MSMQ, LINQ, XML, XPath, Microsoft Enterprise Library, SQL Server Integration Services (SSIS), SQL Server Analysis Services

**Charles Schwab, Orlando, FL**

**Sep 2017- April 2019**

**.Net Developer**

***Responsibilities*:**

* Redesigned the existing application using ASP.NET MVC Framework, C#, HTML5/CSS3 and Entity framework.
* Experience in gathering business requirements from the business and documentation of the enhancement of the project.
* Developed User Interface using Asp.Net and Code behind using C#.Net.
* Used Agile methodology for the project, which involved daily scrums.
* Developed Custom Pipes, Directives, Services and Modules in Angular 6 Application.
* Experience in development of web-based applications using ASP.NET MVC 4.0 and C# in Visual Studio 2012 to be deployed on Azure Cloud.
* Responsible in maintaining versions of source code using Team Foundation server (TFS).
* Proficient in developing test cases for unit testing using NUnit in Test Driven Development (TDD) Environment.
* Developed the project using Agile/Scrum Methodology with continuous integration/deployment (CI/CD) in SDLC process
* Used ANGULAR 2+ to 8.3, JQuery, JSON, HTML, XML, JavaScript, AJAX and CSS, SCSS, ag-Grid, BOOTSTRAP 3,4, Ngx-Bootstrap on the front end
* Wrote stored procedures, functions and created packages in Oracle PL/SQL.
* Built WCF Service; SSIS/SSRS Reporting service to manage various data, transactions.
* Deploying ASP.Net Core web application and API to ECS Fargate using an Azure DevOps pipeline.
* Involved in designing and developing relational database, validation and hooks using PostgreSQL and Sequelize.
* Deep knowledge of AngularJS practices and commonly used modules based on extensive work experience.
* Created a multi-threading program to pull data in parallel, sources including restful API.
* Suggested and Implemented CI/CD for the complete application stack in Amazon Web Services (AWS) using GitHub, EC2, S3 Bucket, Code Build, Code Deploy, Code Pipeline.
* Installed and deployed Windows 2008 R2/IIS 7.5/ASP.NET servers to the development environment.
* Provided programming support using VB.Net, ASP.Net, HTML, CSS, Javascript and SQL Server.
* Integrated Elasticsearch on the top of SQL Server 2015 for searching data.
* Used various controls in .NET Framework (4.0/4.5), example Grid View control to display data in tabular from and Data Page control for paging.
* Spring Boot Microservices were developed with Microservices architecture using REST and Apache Kafka.
* Involved in designing the layout of User interface using Visio and class diagrams using UML.
* Reporting Service integration program using SSRS.
* Extensive implementation experience in software architecture, design patterns and development for n-tier distributed systems using .NET Framework 4.5.
* Used LINQ to Objects and LINQ to XML to query the data model and manipulate the data.
* Creating custom, general use modules and components which extend the elements and modules of core AngularJS.
* Hands-on experience in using message brokers such as ActiveMQ and RabbitMQ.
* Configured .NET CORE services wrapped in Docker containers on windows server.
* Used Code First approach in .Net Core Entity Framework.
* Install, monitor and upgrade NoSQL (Couchbase and MongoDB) Databases on all environments.
* Created Restful services using ASP.NET Web API to expose the analytics data to the clients.
* Experience most of the modern development methodologies such as Agile and CI/CD etc.
* Developed/Enhanced the stored procedures/Queries in PostgreSQL.
* Used jQuery and AJAX to make the User Interface more responsive.
* Implemented REST API's with Azure service fabric stateless Microservices using ASP.NET Core.
* Maintain MS SQL Server 2012, including security, configuration and install service packs upgrade.
* Created Data warehouse and C#.NET SSRS based application for analytics and reporting purposes.
* Created the Web API controllers in ASP .NET MVC5 to build, maintain RESTful API's, and also consumed API client side using Angular2 data binding.
* Created SSIS package to import data from various file formats and from Oracle database.
* Designed and implemented Data access layers using LINQ for XML Data.
* Used Angular JS as the development framework to build a single-page application, directive and controllers to present the data in charts and tables.
* Created the Interactive Presentation layer in C#.Net and C# with IDE as Visual Studio.Net.
* Developed RESTful services using ASP .NET Web API for web services.
* Worked on the WCF service to call the data from the existing database.
* Implemented Catalog Search functionality using Azure Search & Document DB.
* Installation of NoSQL MongoDB on physical machines, Virtual machines as well as AWS.
* Implemented CRUD functionality with Entity framework in ASP.NET MVC and implemented sorting, filtering and paging with Entity framework in MVC.
* Responsible to develop Views and Stored procedures using SQL Server.
* Created Stored Procedures, triggers, views, tables and generated TSQL script for application.
* Performing the tasks in the TFS central repository system.
* Writing unit tests using NUnit and Involved in Test Plans and wrote Test Scripts for Manual and Automation Testing.

***Environment*:** Visual Studio 2015, .NET core,Net Frame Work 4.5 Kendo UI,.NET Framework 3.5 & 4.0, Sitecore, PowerShell, WCF, GIT, ASP.NET MVC, Team Foundation Server (TFS), jQuery, Agile, ADO.NET Entity Framework, ETL, SSRS, MS AZURE, TIBCO, HTML, Oracle 11G, DHTML, JavaScript, C#, SQL Server 2015

**ePakMatrix Infotech - Pakistan**

**March 2015- Feb 2017**

**.NET Developer**

**Responsibilities:**

* Enhancing the API as needed in Agile Environment, attending scrum and other meeting as required to meet the deadlines.
* Involved in all the phases of the Project Life Cycle and analysis of the system based on 3-tier architecture.
* Wrote SQL queries with Joins on multiple tables, Stored Procedures, Functions, Triggers, and Indexes using SQL Server 2010.
* Resolved issues with archive reports and replaced them with SSRS Reports.
* Good experience on Junit, TestNG framework for Functional and Regression testing, Maven and Ant for Project building tool.
* Used Oracle SQL Developer to execute the queries and debug the packages and stored procedures.
* Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Used Git Flow and SourceTree to manage source control of new features, releases, and hot fix enhancements.
* Consuming Node JS Restful API services.
* Developed web applications and web forms using HTML5, JavaScript, CSS3, Angular JS, C#. Net 4.0 and 4.5
* Implemented Client side validation using AngularJS Custom Form Validation with ng-show and ng-message.
* Strong object-oriented design skills and ability to articulate designs using UML diagrams.
* Developed whole application in ASP.NET4.0 using C# as code behind.
* Expertise in Microsoft Azure Cloud Services (PaaS & IaaS), Application Insights, Document DB, Azure Monitoring, Key Vault, Visual Studio Online (VSO) and SQL Azure.
* Apache Kafka is used to send message objects to client queues and topics.
* Created tabbed interface for the Build Job Orders application using Angular 2, HTML and Typescript.
* Used BIDS to create new reports rdlc reports accessing Teradata and Oracle data.
* Developed various operational Drill-through and Drill-down custom reports using .Net framework within SSRS.
* Extensive knowledge on Azure Service Fabric and Microservices.
* Wrote event based code in C# using server controls like Data Grid and Data List.
* Developed Web Pages using C#, ASP.Net, HTML, CSS, BOOTSTRAP, AJAX, JavaScript, jQuery, and XSLT.
* Worked with XML files, to configure the .NET core application as well as PowerShell code.
* Experience with Test Driven Development (TDD) and NUnit testing framework.
* Designed and developed web applications in ASP.NET MVC 3.0, C# .Net utilizing .NET Framework 3.5 and Visual Studio.
* Proficient in developing, deploying and consuming the web services using WCF.
* Worked on building screens with ASP.Net MVC, JavaScript, and jQuery, Angular 2, HTML, XHTML, CSS and Unit testing.
* Converted VB6/MS Access applications to the .Net Platform using VB.Net and SQL Server 2005.
* Involved in User Interface design and business layer implementation using ASP.NET CORE, C#, jQuery and WEB API’s.
* Integrate Azure Cloud PaaS Application server for running scheduler task.
* Using ASP.NET on windows server and consumed SOAP, REST interfaces while working with CMIS (Content Management Interoperability Standard).
* Experience with Amazon Web Services' Cloud Storage and AWS S3.
* Extensively used XML, XSLT and XSD for data transfer across different systems.
* Written functions, stored procedures and triggers using T-SQL.
* Worked on wiring up all Windows Communication Foundation (WCF) services with front-end screens in C#, WCF used for distributed communication transactions to the database.
* Used Visual Source Safe and Team Foundation Server (TFS) for integration, maintenance and Security of code.

**Environment:** VS, .NET, VB.NET, C#, ASP.NET 2.0, SQL Server 2005, XML, ADO.NET, JavaScript, T-SQL, HTML, Web services, CSS, IIS.