**Full Stack .Net Developer**

**ALEKHYA**

**Email:** alekhyar595@gmail.com

**Mobile: (480) 791-8568**

**PROFESSIONAL SUMMARY:**

* **9+** **years** of professional experience in analysis, design, testing, and implementing Object Oriented Programming Concepts (OOPS), client-server applications, N-tier applications, and Windows Services based applications.
* Involved in all phases of the **SDLC** (Software Development Life Cycle) including Architecture, Requirement analysis, Design, Development, Implementation, Debugging, Testing, Documentation, Maintenance, and Support.
* Strong Experience working in C**#** (4.0/3.5/3.0/2.0), **VB.NET** 10.0, **ASP.NET MVC**, .**Net Core**, **.NET Core 3, React-native, ASP.NET** (4.0/3.5/3.0/2.0), **WCF**, **WPF**, **Silverlight**, **LINQ**, **ADO.NET**, **AJAX**, **VB6**.0, **SQL Server** 2008/2005/2000, XML Web Services, Oracle 11g PL/SQL relational databases, ADO.NET and **ORM** frameworks.
* Solid experience in **Microsoft Cognitive Services, Microsoft Bots, LUIS (language understanding intelligence service).**
* Experience in developing single-page applications using **AngularJS, Bootstrap, React, Redux, TypeScript,** **ASP.Net** **web API 2.**
* Good experience with Frond-End Development using **JavaScript, jQuery, HTML, and CSS**.
* Worked on **React/Redux** reusable components and services to consume REST APIs using Component-based architecture provided by React.
* Experience in **jQuery API** for **HTML** document traversal and manipulation, event handling, animation, **Ajax** Web service calls Validations, and **UI** Design across a multitude of browsers.
* Experience in maintenance of N-Tier applications in Microsoft .NET Technologies using **C#, ASP.NET, VB.NET, AJAX, ADO.NET, LINQ, WCF, XML, Web Services, Win Forms, Web Forms, JavaScript, Entity Framework, SQL Server, Reporting Services (SSRS, SSIS).**
* Expertise in applying Data Access Technologies Entity Framework, **LINQ,** and **ADO.NET.**
* Experience in using **ORM** (Object-relational mapping) tools like **NHibernate 3.1** and **Microsoft Entity Framework 4**.
* Experience in using different design patterns like **Singleton**, **Factory Pattern, MVC, and Façade**.
* Utilization and Extensive Experience in Application Design, developing **Use-case diagrams, class diagrams, and sequence diagrams** using UML and **Object-Oriented Programming (OOPS)**.
* Expert in developing large-scale applications using the **.NET** framework in the areas that require Performance, Scalability, Security, and Extensibility in **C#.NET**.
* Hands-on experience in **Test automation** using different Automation tools/techniques, by using **Selenium Web Driver/IDE/GRID, Cucumber, TestNG, Maven, Fire Path, running scripts, debugging scripts** in different environments, **Extracting Test results, Cross browser testing**, and **data validation.**
* Implemented **smoke, load, White box, Blackbox, functional, and regression testing** using automated scripts unit tests, and web tests.
* Strong working expertise in building & deploying applications with **ASP.NET MVC** Framework.
* Strong Experience in Three Layers i.e., User Interface, Business Logic, and Data Layer with **C#.NET.**
* Extensive experience with **MS SQL Server 2000/2005/2012,** **Azure SQL, No SQL, Document** **DB, T-SQL, SSRS, SSIS.**
* Hands-on experience in hosting and configuring applications using cloud services like **Microsoft Azure and Amazon Web Services (AWS).**
* Proficient in writing stored procedures, Functions, Cursors, Packages, and Database Triggers using **SQL** Server2000/2005/2012 and **Oracle**.
* Experience in generating reports using Crystal Reports and Active Reports.
* Strong debugging skills in n-tiered web applications in **C#.NET**.
* Proficient in developing **Client/Server** applications in **3-tier** and **N-tier Architecture.**
* Excellent working experience using **Internet Information Server (IIS), Owin, and Windows/NT Server.**
* Strong experience with Defect and Test Management tools like **JIRA, Rally, Quality** **Center/Test Director**, **and Bugzilla.**

**TECHNICAL SKILLS:**

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| **Languages** | C#.Net, ASP.NET, ASP.NET MVC, ASP.NET Core 3.1/3.0/2.0/1.0, .Net Core 3.1/3.0/2.0/1.0, .Net Framework 4.8/4.7/4.6/4.5, VB.Net, ADO.Net, Web API, LINQ, Web Services, Entity Framework. |
| **Web Technologies** | HTML/DHTML, CSS, XML, JavaScript, Angular JS, Angular 11/9/7/6/4/2, React JS, Node JS, JSON, AJAX. |
| **Distributed Tech** | Web Services, WC |
| **Web/App Servers** | IIS, Apache |
| **Rel Database Servers** | SQL Server 2008/2008/R2/2012/2014, Oracle, MySQL, Postures, SQLite, MS Access, Visual FoxPro |
| **OS** | Windows 10/8.1/7, Linux, MAC, Unix. |
| **MS Framework** | .NET Framework 2.0/3.0/3.5/4.0/4.5+ |
| **Design Modeling** | OOPS, UML, MVC, Singleton, Session Façade, Singleton. |
| **Cloud Services** | Microsoft Azure and Amazon Web Services. |
| **Services** | WCF, Web Services, Restful services, Web API, Microservices. |
| **Testing Tools** | Nunit, Selenium, Coded UI, Protractor, Ranorex, Spec flow, Spira, MTM. |
| **Application tools** | Telerik application builder, Ultra edit, ARCGIS-maps, Fiddler, App-dynamics Insights, Sonar Cube, Splunk, No-brainer, etc. |
| **IDE** | VS 2005, 2008, 2010,2012, 2013, 2015 TFS, Microsoft Visio, Eclipse. |
| **Version Control** | TFS, Azure DevOps, GIT, VSS, GitLab, Bitbucket. |

Professional Experience:

**AIMS Health, Chicago, IL. Nov 2021 - Present**

**Role: Sr .Net Full Stack Developer with Azure Cloud**

**Responsibilities:**

* Developed and assisted the migration of web application to **Angular 11** Application and was responsible for the Architecture of the standalone module for the complete migration of the module.
* Created single-page, secure responsive web applications to replace a legacy line-of-business web application.
* Developed various services in **Angular 11** that consume the Rest of Services from the backend implemented in**. NET**. Also Utilized reusable components and guards to better accommodate the complete web application.
* Leveraged **Angular** resources for all data access, encapsulating URLs, and standardizing data access interfaces. Created custom directives for reusable components (multi-field form elements, background file uploads, etc.)
* Experience in using **Kendo UI/ Telerik** and **Bootstrap** framework to build responsive web pages.
* Performed code review and worked closely with team members to ensure consistency with code standards.
* Worked with ASP.Net MVC, Partial Views, and Master Pages and developed Cascading style sheets (CSS) for a consistent look and feel of the website.
* Worked on Visual Studio 2015/ .Net CORE 1.0 Framework to implement Business Logic.
* Developed **ASP.NET Core** Web API based on departmental requirements and specifications.
* Implemented **JWT** token-based authentication to secure the **ASP.NET Core** Web API and provide authorization to different users.
* Created **WCF** Services responsible for communicating and providing real-time data from integrated server to Client Application.
* Leveraged **Angular** for developing applications using **HTTP** Client Module for **REST** calls and **jQuery** to process **JSON** and **XML** then providing them to components that are in need.
* Design and develop Web Applications using **ASP.NET MVC 5** and **C#** that are used by internal users.
* Created application with **Angular** using **TypeScript** to create Directives, Components, Services,
* Pipes, Observables, form validation, and Router for multiple components utilizing Router Guards and Navigation.
* Developed features for customer-facing websites using **C#, ASP.NET MVC 4/5, CSHTML, HTML Helpers, JavaScript, jQuery, and TypeScript.**
* Performed validations on Web Forms using **.NET** Validation Controls and Client-Side Validation using **Angular JS.**
* Implemented the service using Node.JS for performance, development, maintenance, and deployment reasons.
* Configured security features for the application using Form Based Authentication and Role Based Authorization using **C# and ASP.NET**.
* Created **Restful** services using ASP.NET Web API. Configure the service web config files programmatically using LINQ to XML. Used Generics, Lambda Expressions, Extension Methods, LINQ to SQL, and LINQ to Objects.
* Using **ADO.NET** Entity Data Model in retrieving data using LINQ to SQL and LINQ to Objects with **ASP.NET**.
* Developed several **REST** web services supporting both **XML** and **JSON** to perform tasks.
* Developed MVC Razor views, partial views, layout pages, complex Controllers, helper methods, and View Models.
* Modified Web Services to interact with the other applications and exposed them using SOAP and HTTP.
* Performed multithreading programming to improve the application performance.
* Utilized **Azure** **SQL** **Server** for storing the data and Wrote Efficient queries and stored procedures that saved the manual efforts of cleaning the data and efficient data handling and sanitized data.
* Used Microsoft **Azure** platform for building, managing applications, and deploying web applications. Created Azure virtual machines.
* Implemented **Azure SQL, Azure Storage,** and **Azure Services.**
* Made changes as required in the existing **SQL** functions, stored procedures and packages, and refined the new data model.
* Used **NHibernate** as the **ORM** tool for data access.
* Generated reports using **SQL** **Server Reporting Services (SSRS)** and created various types of reports like drill down, Parameterized, Cascading, Conditional, Table, Matrix, Chart, and Sub Reports.
* Implemented traces using **SQL** server profiler to find long-running queries and modify those queries as a part of Performance Tuning operations.
* Created reports using **SQL Reporting Services (SSRS)** for customized and ad-hoc Queries.
* Loading data from various sources like OLEDB, and flat files to SQL Server database, using **SSIS** Packages and creating data mappings to load the data from source to destination.
* Designed and deployed Power Pages to provide secure, user-friendly access to migrated applications.
* Recreated core functionalities of the .NET applications in Power Apps, focusing on optimizing user interfaces for enhanced user experience.
* Developed custom connectors and APIs to integrate Power Apps with existing third-party services and databases.
* Customized portal interfaces using HTML, CSS, and Liquid templates to match branding guidelines and improve navigation.

**Environment:** ASP.NET, C#, ASP.NET Core 2.0, ASP.NET Core, MVC5, ADO.NET, ASP.NET MVC5, Entity Framework, Windows Azure Cloud, Angular 11, RESTful, WCF, GIT, WPF, Web API, .Net Framework 4.5, NUnit, HTML, HTML5, CSS3, AJAX, CSS, AngularJS, TypeScript, JavaScript, jQuery, SQL Server, Visual Studio 2019, Azure, SSIS.

**Client: State of New Jersey, NJ, USA May 2019 - Oct 2021**

**Role: .Net Full Stack Developer**

**Responsibilities:**

* Developed web pages to create messages, set up message rules, and to set up content using **ASP.NET, AJAX, and C #, JavaScript, and XML.**
* Developed Client/Server Applications on **n-tier architecture** and **MVC** (Model View Controller) design pattern.
* Developed solutions for diverse programming scenarios in C#, employing Object Oriented Programming (**OOP**) concepts such as encapsulation, inheritance, polymorphism, and abstraction. and Design Patterns MVC.
* Used **C# WIN FORMS** to create a dynamic reporting tool that queried a complex SQL backend.
* Configure QNXT and McKesson Claim Check applications for state Medicaid contracts.
* Developed **HTML** prototype of the web pages and **WinForms** using CSS, per client specifications.
* Used **Express** Framework to set up middleware to respond to HTTP requests with the help of **Node JS**.
* Written Callbacks, and error-first callbacks, and worked with Streams and Files for Asynchronous Programming using **Node JS**.
* Used **Angular JS** for **Client-Side scripting** along with **JavaScript** and **J Query**.
* Extensively used angular **data** **binding** concepts to bind data in web pages. Involved in the development of controllers, Services, directives, filters, and modules using **AngularJS**, **MVC** framework.
* Created client-side framework to load and reuse **JavaScript files and HTML templates** asynchronously using **require.js** and **Asynchronous Module Definition (AMD).**
* Converted **.NET** application to Microsoft **AZURE** Cloud Service Project as part of cloud deployment.
* Migrated SQL Server 2008 database to Windows **AZURE** SQL Database and updated the Connection Strings based on this.
* Worked on Development and Deployment using Power Shell Scripts using Azure. Developed **Power Shell** Scripts for Automated Deployment of Developed Packages using Service Fabric.
* Worked on the Development of a mobile application using **Xamarin.**
* Developed applications using **ADO.NET, ORM, and VB. NET** component for database access.
* Worked on System exposing all the data/content through an **MVC REST API** and Windows Communication Foundation (WCF).
* Wrote business logic in **C#** and handled transactions from and to the database using ADO.NET objects such as Datasets, Data Adapters, and Data Readers.
* Involved in coding, testing, and implementation of the project using **C#,** ASP.NET, **SQL Server**, and SQL Server Integration Services.
* Developed and deployed XML **Web Services (WCF)** using ASP.net and C#, used them to generate the proxy class files based on the web services and consumed in web application.
* Worked with **WCF** to build **service-oriented applications** that communicate across the web and the enterprise.
* Developed classes using C#.NET to improve performance and Consumed WCF services using **REST / WSDL**.
* Involved in the changes to existing **MVC** pages for login and Change password pages and, also added authorization and authentication of the pages using Membership database.
* Development and Deployment using Power Shell Scripts using Azure. Developed **Power Shell** Scripts for Automated Deployment of Developed Packages using Service Fabric.
* Advanced **Power Shell** scripting, farm architecture & administration, backup/restore/migration.
* Led the implementation of a REST API in **Node.js** to be the client of our system. Researched and proposed a very elegant solution for integrating .NET with **Node.JS** using the **Edge.js**   library.
* Consumed Web API from ASP.NET **MVC** application using HTTP client, Implemented **Web Services** Using ASP.NET for consumption by the client application.
* Utilized present and future industry trends and practices to create **Site core** CMS Websites.
* Implemented **Site core** architecture and developed custom **Site core** controls to facilitate the client's CMS needs.
* Involved in designing, Coding, and documentation of application flows and worked on presentation layer for developing GUI and developed using **WPF**.
* Programmed **Cold Fusion** MX modules to handle transactional database queries and builds using interactive data entry forms.
* Creating **Triggers** functions, **Oracle PL/SQL** database and integrating them with the front-end Web application.
* Deeply involved in writing **ORACLE** database objects like stored procedures, functions, and packages using **PL/SQL**.
* Created **T-SQL** and **PL/SQL** Stored Procedures, Views, and User Defined Functions for fetching relevant data to UI for different **Crystal** and Divisional Reports.
* Written and implemented multiple test cases using the Unit testing framework (NUnit) in TDD.
* Utilized Microsoft Team Foundation Server (TFS) for source version control on a shared team environment.
* Managed the project lifecycle using a hybrid approach, starting with waterfall methodology for clear initial planning and transitioning to agile for iterative development and rapid response to changing requirements.
* Implemented Scrum within the project, facilitating daily stand-ups, sprint planning, and retrospectives to foster team collaboration and continuous improvement.
* Established a rigorous testing framework, integrating automated testing and CI/CD pipelines, ensuring thorough quality assurance throughout the development process.

**Environment:** .Net Framework 4.0, C#, ASP.NET, MVC 4, XAML, Visual Studio 2012,2015, Ajax, HTML, CSS3, Angular JS, edge.js, Node.js, LINQ, WPF, SQL server 2012, Xamarin, Power Builder, Silverlight, PL/SQLWCF, Share Point, Oracle, Unit Testing,.Net Nuke 4. x, TFS.

**Client: Southwest Airlines, Dallas, TX Jun 2017 - Apr 2019**

**Role: .Net Full Stack Developer**

**Responsibilities:**

* Responsible for gathering requirements and involved in the analysis and design of the system based on n-tier architecture.
* Extensively worked with WPF application using **MVVM** pattern as well as ASP.NET using HTML5 and CSS3.
* Used **JavaScript**, **AJAX,** and **jQuery** for dynamic page updates and client-side validations.
* Worked on server-side web applications using Node.js and was involved in the Construction of UI using jQuery, **ReactJS**, Bootstrap, and JavaScript.
* Used **React**, JavaScript, and jQuery to create Controllers to handle events triggered by clients and send requests to the server.
* Developed components in **React JS** by using React Flux architecture for building client-side web applications.
* Used **jQuery** to create various Dialog Boxes, load **JSON** data in jQGrid, and selectors to validate different screens.
* Developed extensible, robust **ASP.NET Core MVC** Web Applications in **ASP.NET Core2.0/3.0** using **C#, .NET, ASP.NET, HTML5, CSS, JavaScript, JSON, XML, jQuery, Bootstrap,** and **AJAX** including **ASP.NET** Core Identity for Login Security and Data annotations for the Data validation.
* Attribute Routing used in the **ASP. Net Core** web API. Used Async and Await in **Asp. Net Core** web API methods.
* Used **XSD** (XML Schema Definition) tool in order to generate appropriate XML to serialize/deserialize data to communicate between disparate systems.
* Generated **C#** object model of **XSD** by using XML Spy and created a mapping for generating XML by using **c#.**
* Implemented **REST API**, and **Web Services** for authentication.
* Created stored procedures for Master forms using **T-SQL** for accessing and manipulating the data in **SQL Server 2016**.
* Created automated **T-SQL** scripts to process summary database transactions that run off-hours.
* Created **SAS/Macro** and **SAS/SQL** Stored Procedures, Views, and User Defined Functions for fetching relevant data to UI for different **Crystal** and Divisional Reports.
* Execute **SSIS** packages to update SQL data tables from the Oracle server.
* Implemented **IOC** (Inversion of Control) through a Structure map. Preparing SRS, URS, Trace ability matrix, and User Guide Documents.
* Extensively used **razor view engine**.
* Generated entity classes based on the database schema and improved the development of N-tier architecture using **LINQ**.
* Scheduled Trigger in **Azure data factory** to run the pipeline daily.
* Experience in Creating **Azure** Logic Apps, Azure Functions with Cognitive Services, API Management, Continuous Integration, and Service Bus.
* Developed multiple **Azure** functions that run as a Cron job, which will process data from **Azure** SQL DB, and **Azure Cosmos Database** and produce .csv files for internal clients.
* Experienced in leveraging Azure storage and messaging services such as Service Bus Topics, Event Hubs, Azure Blob and Table Storage, **Azure SQL,** and **Azure Cosmos Database**.
* Used **Azure logic apps** to connect legacy, modern, and cutting-edge systems more easily and quickly by providing prebuilt APIs.
* Used **Azure DevOps** for version controls, requirements, and project management.
* As a part of the development team involved in deployments of applications with **Azure DevOps** CI/CD Pipeline structures.
* Implement **agile scrum methodology** in application development.
* Developed controllers to populate the view models using **LINQ** queries and **Lambda** expression and invoked the views and controlled the flow through the application.
* Performed automated **unit testing** on the application. Actively involved in documentation, test plans, test cases, testing, and reviews.
* Collaborated with Database Administrators (DBAs) to design normalized data models, ensuring efficient data storage and retrieval.
* Worked closely with DBAs to analyze and optimize complex SQL queries, improving response times and reducing database load.
* Coordinated with cross-functional teams, including developers, analysts, and DBAs, to align data models with business requirements and application needs
* Established and enforced coding standards, conducting regular code reviews to ensure consistency, maintainability, and adherence to best practices.
* Advocated for and implemented software development best practices, including SOLID principles and design patterns, to improve code quality and maintainability.
* Created comprehensive documentation and led workshops to educate the team on new standards, tools, and methodologies, promoting a culture of continuous learning and improvement.

**Environment:** C#.NET 4.7, ASP.NET, Microsoft Visual Studio 2017/2019, AngularJS 7**,** Web Forms, REST Services, Entity Framework, AJAX, XML Web Services, Microsoft Azure, Azure SQL**,** LINQ, WCF, JavaScript, jQuery, SQL Server 2016, T-SQL, Oracle, TFS, XML, SSL, CSS, XSLT, XSD, Azure Cosmos Database.

**Client: Reliance Bank, Hyderabad, India Aug 2014 – May 2017**

**Role: .Net Developer**

**Responsibilities**:

* Studied and analyzed the business requirements and transformed them into system inputs.
* Designed and developed excellent, user-friendly Web Forms using **ASP.NET** for Investor data collection.
* Developed the data layer module using **C#** which is reusable for data transactions of the entire project. In this module extensively used **MS SQL** and **ADO.NET** objects like Dataset, Data Adapter, Data Reader, Command, Data Table, and Data Relation objects.
* Developed the necessary stored procedures and created complex views using joins for robust and fast retrieval of data.
* Developed web pages with **ASP.net, C#, CSS, JavaScript, jQuery, Ajax** controls.
* Extensive utilization of **XML, XSLT,** and **CSS** for front-end development.
* Implemented Presentation layer using **CSS** Framework, Wire-framing, and **HTML5**.
* Developed fast-loading images using Adobe Photoshop **CSS3**.
* Created **XHTML5** Pages with **CSS3** and the Box Model.
* Wrote Queries and Stored Procedures for integrating databases for **CRUD** operations with databases.
* Invoked Web API **RESTful** Services using **Angular** $**http** service to build a faster response website.
* New full-text search feature implementation with multi-tenancy (Elastic search).
* Built new analytics solutions for customers. Used Elastic search as backend.
* Worked on creating tables, views, triggers, sequences, constraints, Stored Procedures,
* Creating **Trigger** functions, and **SQL** database and integrating them with the front-end Web application.
* Deeply involved in writing **SQL** database objects like stored procedures, functions, and packages using **SQL**.
* Created **SAS/Base** and **SAS/SQL** Stored Procedures, Views, and User Defined Functions for fetching relevant data to UI for different **Crystal** and Divisional Reports.
* Functions, and Packages using SAS/Macro, SQL based on the documented user requirements.

**Environment**: IIS7, Windows 2008, .Net Framework 3.0, ASP.NET Web Forms, SAAS, Web API, C# ADO.NET, AWS, Visual Studio .Net 2010 and SQL Server 2008, SAS/Base, SAS/SQL, and SAS/Macro.