**Kalyan Gubbala**

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**Professional Summary**

* I have 7 years of experience in Systems Analysis, Design, Development and Implementation of various applications including Web and Client/Server Application development using Microsoft .NET Framework 4.0/4.8, C#.NET, ASP.NET.
* Experience on Graphical User Interface (GUI) Design using technologies like HTML 5, DHTML, CSS 3, JavaScript, AJAX Controls, Angula 8.0, WPF (Windows Presentation Foundation).
* Hands-on experience with Microsoft Azure cloud services, including but not limited to Azure App Service, Azure Functions, Azure Kubernetes Service (AKS), Azure Cosmos DB, Azure Storage, and Azure SQL Database.
* Designing, coding, testing, and debugging applications using VB.NET language and the .NET framework.
* Developing desktop, web, or mobile applications depending on project requirements.
* Evaluating architectural patterns and design principles such as MVVM (Model-View-ViewModel), MVC (Model-View-Controller), and Clean Architecture for mobile app development.
* Experience in using various version controlling tools like Visual SourceSafe, Sub Version and Team Foundation Server.
* Strong experience with best practices of application-based security best practices (e.g., JWT, OAuth, SAML, token-based authentication).
* Developed ETL processes using SQL Server Integration Services (SSIS) for data extraction, transformation, and loading.
* Designing, developing, and customizing SharePoint sites, lists, libraries, and web parts to meet business requirements.
* Developed and optimized SQL queries, stored procedures, and triggers to meet application requirements.
* Established and maintained CI/CD pipelines using Jenkins to automate the build, test, and deployment processes.
* Experience in writing SSIS Packages/SSRS in SQL Server 2020.
* Demonstrated expertise in Test Driven Development (TDD) methodology to drive the software development process.Utilized indexing and query tuning to improve response times.
* Implemented authentication and authorization mechanisms, such as OAuth 2.0 and JWT, to secure REST APIs and control access to resources.
* Collaborated with front-end developers to define API contracts and ensure seamless integration between client applications and RESTful backend services.
* Designed and developed responsive and interactive web applications using Kendo UI components such as grids, charts, and dropdowns, ensuring cross-browser compatibility and optimal performance.
* Integrated Kendo UI with server-side technologies such as ASP.NET MVC, Java Spring, or Node.js, leveraging AJAX and RESTful APIs for data exchange and communication.
* Writing and executing API tests in Postman to validate functionality, performance, and security requirements, including unit tests, integration tests, and end-to-end tests.
* Deploying and configuring Splunk instances, including indexers, search heads, and forwarders, according to best practices.
* Experience in Azure for system Deploying, Operating and Maintaining compute, network and storage in the Microsoft Azure environment using Microsoft Technologies.
* Implemented Azure Functions with triggers such as HTTP requests, timer-based schedules, Azure Blob Storage events, and Azure Queue Storage messages
* Enhanced query optimization for faster execution.
* Improved indexing strategies for better read and write performance in sql server 2020.
* Expertise in using Object Oriented Programming Concepts (OOPS), C#.Net, ASP.NET, for developing 3 - Tier and N-Tier Component based applications.
* Enhanced performance and features in ASP.NET Core.
* Integrated .NET Core applications with front-end frameworks like Angular or React to create responsive and dynamic user interfaces.
* Implemented communication between the front-end and back-end layers.
* Developed and maintained web applications using .NET Core, ensuring high performance and responsiveness.
* Implemented modern, scalable, and maintainable code following best practices and design patterns.
* Successfully deployed and managed applications on OpenShift, ensuring scalability, reliability, and efficient resource utilization.
* Expertise creating user validation forms and sending data to server using RESTful services.
* Experience in developing Service Oriented Architecture (SOA), Web Services, .NET Remoting, SOAP, WSDL, UDDI and DOM.
* Experienced in Configuration Management, setting up company Version policies, build schedule using Team Foundation Server (TFS).
* Experience in ADO.NET controls such as Grid View, Data List, Details View, Form View and Repeat.
* Experience in database design and development, for creating complex database queries, writing Constraints, Indexes, Views, and Stored Procedures and Functions using T-SQL in SQL Server.

**Technical Skills:**

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| **Programming Languages** | C, C#, ASP.NET. |
| **Operating systems** | Windows, Mac OS, Linux/Unix. |
| **Web Technologies** | XML, HTML, XHTML, WSDL, UDDI, CSS, XSL, XSLT, JavaScript, Angular, jQuery, JSON, AJAX, Bootstrap. |
| **Web/Network Protocols** | HTTP, SOAP, TCP/IP, SMTP |
| **Application Servers** | Internet Information Server (IIS), WebLogic |
| **Source Control** | GIT Hub, BitBucket |
| **Databases** | SQL Server, Oracle, T-SQL. |
| **Methodologies** | Agile, Scrum, Waterfall, TDD |
| **API Testing** | Postman, SoapUI |
| **Cloud** | Microsoft Azure. |

**Professional Experience**

**Infosys, Charlotte, NC (Feb 2023 – Present)**

**Sr.Net Developer**

**Roles & Responsibilities:**

* Involved in Analysis, Design, and Development Testing of Web Forms using IIS, ASP.NET, XML, dataset and .NET Framework.
* Worked on SSIS to extract, transform and load data packages.
* Writing and modifying Stored-Procedures and user defined functions in SQL Server and T-SQL to carryout database operations Provide technical support.
* Strong experience with best practices of application-based security best practices (e.g., JWT, OAuth, SAML, token-based authentication).
* Integrating web applications with authentication and authorization mechanisms such as Windows Authentication, Forms Authentication, or OAuth.
* Developed comprehensive unit tests using testing frameworks such as JUnit, NUnit, or Xunit to ensure the correctness of code implementation.
* Integrating mobile apps with backend services, databases, and APIs using RESTful web services, GraphQL, or other communication protocols.
* Implementing platform-specific features and optimizations for iOS and Android platforms using Xamarin platform-specific APIs and plugins.
* Configured parameterized builds in Jenkins to support different build configurations and deployment environments.
* Proficient in managing NuGet packages for dependency management in .NET projects.
* Proficient in utilizing Git and GitHub for version control, branching, and merging strategies in collaborative software development environments.
* Familiarity with Azure DevOps for continuous integration, delivery, and deployment (CI/CD) pipelines, enabling automated software delivery in Azure environments.
* Integrated Azure Functions with Azure DevOps pipelines and deployment automation tools to enable continuous integration and deployment (CI/CD) workflows.
* Extensive experience in utilizing NuGet Package Manager in Visual Studio for package installation, update, and removal.
* Monitoring Splunk infrastructure health, performance, and capacity, and performing routine maintenance tasks such as backup and restore operations.
* Planning to rewrite windows application into web application wherein involved in creating POC in technologies like HTML5 or ASP.NET with MVC.
* Modeling LINQ queries to map database tables to C# objects/entities using ORM (Object-Relational Mapping) frameworks like Entity Framework.
* Implementing API endpoints and business logic in web frameworks or backend services, and integrating them with data sources and external systems.
* Designing RESTful APIs and defining endpoints, request/response formats, and authentication mechanisms using Postman's API schema and documentation features.
* Provided technical support to developers integrating with REST APIs and Web APIs, troubleshooting issues and resolving API-related challenges.
* Created and maintained API documentation, tutorials, and sample code snippets to facilitate onboarding and adoption by external developers.
* Proficiently used the Angular CLI for project scaffolding, code generation, and development tasks.
* Configured and managed application routes using Angular Router for seamless navigation in single-page applications (SPAs).
* Contributed to the design and development of microservices-based applications using .NET Core.
* Implemented service discovery, load balancing, and inter-service communication.
* Developed cross-platform applications using .NET Core, targeting Windows, Linux, and macOS environments.
* Utilized Xamarin for mobile application development with .NET Core..
* Implemented ADO.NET to the data layer to communicate with the SQL Server 2020.
* Implemented authentication and authorization mechanisms to secure APIs.
* MVC Design Pattern followed for Asp.Net MVC Application..
* Implementing Two-Way databinding in AngularJS to handle the automatic synchronization of data between the model and view components for application.
* Used Log Analytics service in Azure OMS to monitor cloud environment to maintain their availability and performance.
* Use Window Azure to deploy the application on cloud and managing the session.

**Environment: ASP, Azure, ASP.NET, C#.NET, WCF, WPF, ADO.NET, LINQ, Rest, Soap, HTTP, DHTML, AJAX, JavaScript, IIS, Visual Studio, Sql Server, Sql server 2020.**

**Wipro, Hyderabad, India (Nov 2020 – Sep 2021)**

**.Net Developer**

**Roles & Responsibilities:**

* Developed WPF services as per business requirements in Agile environment attending Scrum and sprints to meet the deadlines.
* Maintained a session of messages between a client and a service using WCF facilities.
* Used Grid View, Data List, and Panels to display and manipulate data in ASP.NET Web Forms.
* Implemented databinding MVC using Angular JS for front-end development of current web application.
* Write high-end, functional and reusable code using core Vue.JS and Vue.X.
* Worked on Web Service calling using jQuery and Angular JS for Synchronous and Asynchronous AJAX calls in HTML web pages.
* Designed and developed centralized authentication service for web applications.
* Used Microsoft Team Foundation Server (TFS) for the purpose of version Control and source code maintenance needs.
* Migrating content and configurations from SharePoint On-Premises to SharePoint Online using migration tools and best practices.
* Supporting end-users, troubleshooting issues, and providing training and documentation on SharePoint functionality and best practices.
* Integrating LINQ queries into C# codebase to support application functionality.
* Collaborating with database developers or administrators to optimize LINQ queries for database performance.
* Writing unit tests for LINQ queries to ensure correctness and robustness.
* Troubleshooting and debugging LINQ queries to identify and fix issues.
* Integrated third-party libraries and plugins with Kendo UI components to extend functionality and meet specific project requirements.
* Collaborated with backend developers to define RESTful APIs and data models for seamless integration with Kendo UI-based frontend components.
* Created and managed deployment configurations in OpenShift, specifying parameters for application deployment and scaling.
* Demonstrated ability to write clean, maintainable, and efficient code in Vue.js.
* Experience with asynchronous operations and API integrations in Vue.js applications.
* Applied best practices for performance optimization in Vue.js applications.
* Deployed and managed Cosmos DB in a multi-region setup for global distribution and high availability.
* Ensured data consistency and latency considerations across different regions.
* Developed efficient and optimized queries using SQL API in Cosmos DB.
* Utilized indexing and query tuning to improve response times.
* Integrated Kafka with microservices architecture to enable communication between distributed services.
* Implemented publish-subscribe patterns for event-driven communication.
* Set up monitoring tools for Kafka clusters, including metrics and logging.
* Proficient in troubleshooting and resolving issues related to Kafka performance and reliability.
* Developed applications using functional programming paradigms with F# to write concise, expressive, and maintainable code.
* Developed web applications using F# with web frameworks such as Suave or Saturn.
* Implemented server-side logic and APIs using F# in combination with ASP.NET Core.
* Integrated applications with relational databases using Entity Framework Core for efficient data storage and retrieval.
* Developed database schemas, queries, and migrations to ensure optimal performance.
* Updates and improvements in Entity Framework Core, the Object-Relational Mapping (ORM) framework.
* Support for the latest versions of the C# and F# languages with new language features.
* Continued support and improvements for containerized applications and orchestration tools like Docker and Kubernetes.
* Developed the installation package for the application and included various features like user interface, Database setup, configuring IIS, running required batch files during setup, etc.
* Extensively involved in Declarative Data binding. In data list control where bind the data dynamically to the control based on the selection.
* Developed and Implemented Win Forms, Web Forms using ASP.NET.
* Responsible for designing, developing and deploying collaboration portal and Master data workflow using SharePoint Portal Server SPS, Windows SharePoint Services WSS and .NET Framework.
* Worked on both WPF and WCF application to develop new application as well as maintained an existing application and provided customer support.
* Developed web form clients in C# using Windows Presentation Foundation (WPF) and XAML.
* Implementing Unit test for new operations IN Web API using Nunit, Moq.

**Environment: ASP, Azure, ASP.NET, C#.NET, WPF, WCF, ADO.NET, Vue.jsJS, LINQ, Web Services, Rest, Soap, HTTP, DHTML, AJAX, JavaScript, IIS, Visual Studio, SQL Server, Sql server 2020.**

**UST Global, Trivandrum, India (Mar 2017 – Oct 2020)**

**Software Developer**

**Roles & Responsibilities:**

* Developed web forms in ASP.NET using C#.NET, AJAX controls, HTML and Java scripts.
* Used C#.NET to develop code for business and repository layer.
* Developed MVC model for WPF for the functional requirement phase.
* Created Dropdown and Drill through reports using SSRS.
* Used Cascade Style Sheet CSS and HTML to design user Interface.
* Successfully deployed and managed applications on OpenShift, ensuring scalability, reliability, and efficient resource utilization.
* Utilized OpenShift to orchestrate and manage containers, providing a platform for efficient deployment and scaling of containerized applications.
* Leveraged Kubernetes capabilities within OpenShift for container orchestration, including pod management, scaling, and rolling updates.
* Analysed the requirements, Design and Developed the Web Forms by using Web Controls and Custom Controls for .Net application.
* Developed and maintained Oracle Forms and Reports applications for efficient data entry and reporting.
* Ensured compatibility and integration with the Oracle database.
* Integrated F# components with other .NET languages (C# and VB.NET) in mixed-language projects.
* Utilized the .NET ecosystem while benefiting from F#'s functional capabilities.
* Developed web applications using F# with web frameworks such as Suave or Saturn.
* Implemented server-side logic and APIs using F# in combination with ASP.NET Core.
* Used C language in coding to create class libraries and business logic.
* Used InfoPath Form services to convert forms into web-based forms to allow users to easily fill out form data within the SharePoint form library.
* Building REST and SOAP web services APIs. and Utilized XAML, WCF, SOAP, WPF based Event Handlers.
* Used Team Foundation Server (TFS) for version controlling, branching, and merging from Development Server to Stage and Stage to Production Severs.
* Using and configuring the IIS application server.
* Used LINQ to Entity Framework using lambda expressions for communicating between business logic layer and Data access layer.
* Implemented CRUD functionality with Entity framework in ASP.NET MVC and implemented sorting, filtering and paging with Entity framework in MVC.
* Created, customized, SharePoint Portal Sites, permissions for users on various sites, updated content, and created custom navigation i.e. structuring document folders, quick launch etc.
* Implemented client-side script using JavaScript, JQuery.js, and Knockout.js.
* Involved in testing like Unit test, Integration test, Acceptance test and Regression testing using NUnit and responsible for writing test scripts and scenarios.
* Created database objects like tables, views, triggers and stored procedures that are used throughout the application.

**Environment: ASP, ASP.NET, C#.NET, WCF, WPF, ADO.NET, Web Services, REST, SOAP, HTTP, DHTML, AJAX, JavaScript, IIS, Visual Studio, SQL Server.**

**Magneq Software, Hyderabad, India (June 2016 to Feb 2017)**

**Software Engineer**

**Roles & Responsibilities:**

* Used ADO.Net data objects such as Connection, Command, Data Adapter, Data Reader, Dataset,
* Data Table and XML for consistent access to SQL data sources.
* Created Store Procedures, Functions, Packages, Triggers, Indexes and Views using T-SQL in
* Development and Production environment for SQL Server.
* Experienced in LINQ (Language Integrated Query).
* Handled runtime and design time errors by implementing the appropriate error handlers in C#.Net.
* Resolved potential issues that arose during the execution of development.
* Used Team Foundation Server (TFS) for integration, maintenance and Security of code.
* Coding for various Modules, Error Handling, Modification and Testing.
* Conceptualizing and designing the basic framework for automation.
* Involved in the preparation of requirements documents, User Interface Design, build and Test Plans.
* Handling various technical aspects like software design, coding of modules, monitoring critical paths & taking appropriate actions.
* Analyzed the database modeling and existing database objects.
* Involved in the Analysis of developing test cases, test plans and flat files.
* Attended various meetings with the management team to discuss requirements, estimation,
* analysis & design.
* Handling the Front-end and Back-end Development including coding, testing etc.
* Reworked on parts of GUI to improve performance, enhancing and modifying functionality as per requirements from Users.
* Wrote Stored Procedures and SQL Queries in SQL Server. Server, Oracle. Interfaced with internal and external clients continuously to maintain effective communication and coordination especially at the time of project maintenance.

**EDUCATION:**

* Bachelor of Technology from R.V.R&JCCE, Guntur, India in 2017
* Masters in CSIT from Sacred Heart University in 2022, Fairfield, CT, USA.