**Vikas M**

**.Net Full stack Developer**

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**PROFESSIONAL SUMMARY:**

* 11+ years of extensive experience with all phases of the **Software Development Life Cycle** (SDLC), including Analysis, Design, Development, and Testing of Client-Server and Web-based n-tier Architecture for Windows and web applications with exposure to diverse business domains.
* Strong hands on the Microsoft .Net Framework3.5/4.0/4.5 developing Win Forms, **Web Services**, **Win Services**, Web Pages using ASP.Net 3.5/4.0/4.5, .NET Core 2.2/3.0/3.1/3.3, VB.Net, Visual Studio VB Script **C#.Net, ADO.NET**, **ASP, JavaScript Query, Angular, Master pages, HTML, DHTML, CSS, XML, XSLT, Silverlight, LINQ, Ajax, and SQL Server SSRS.**
* Experience with an agile software development methodology and **Test-Driven Developmen**t including SCRUM Framework.
* Experience with developing **GUI** using web technologies like **HTML, CSS, AngularJS, jQuery, JavaScript, and XML**.
* Extensive experience in architecture, design, and development of Client-Server and Distributed Web Applications with **ASP.NET MVC 3.0, 3-Tire**, and N-Tire Architecture.
* Experience in SOA (Service Oriented Architecture) using **Web Services**, **WCF Services**, **WEB-API and Restful Services**, and Windows Services.
* Using front-end tech with Jasmine, **Angular Material**, **Angular CLI**, **HTML**, **CSS**, **JQuery**, **JavaScript**, CSS **Google Maps**, and DECK.GL, Heat Maps.
* Extensively worked on **Windows Presentation Foundation** (WPF) which provides developers with a unified programming model for building rich Windows smart client user experiences that incorporate UI, media, and documents in Windows using XAML.
* Strong in Object Oriented Analysis and UML concepts, Designed Applications using **UML and Use Cases and Design Patterns, and Agile Methodologies.**
* Expertise in application development using **ASP.NET MVC** 3.0 Framework.
* Extensively Used **LINQ to SQL, LINQ to XML, and LINQ to Objects** for retrieving the data efficiently and just promptly.
* Worked on Grid view using **ADO.NET** and retrieved data from SQL server using queries.
* Experience with **ASP.NET Web Forms**, win forms, Web Services, State Management, caching features, configuring optimizations, and securing the web application.
* Experience with AJAX Control Toolkit and **XML HTTP** Request object, which is the heart of **AJAX** in providing asynchronous Post back.
* Designed and Implemented applications using **ADO.NET** objects like Dataset, Data Table, and Data Adapter for manipulating, retrieving, storing, and displaying data from SQL Server.
* Extensive knowledge of applying Object Oriented Analysis and Design (OOAD) for modeling a system.
* Integrated disparate technologies with **Microsoft PowerShell** - Entity Framework, **MongoDB**, **ASP.NET** Membership, **SQLite**, **OData**, etc.
* Proficient in utilizing **SQL Server** and **Mongo DB** (No SQL) to cater to diverse application needs, ensuring optimal performance and scalability in both structured and unstructured data environments.
* Experience in SQL Server and **SSIS** (Integration Service) package design, construction, and deployment.
* Building web applications with **ASP.NET MVC/Web Forms, JavaScript, jQuery, knockout.js, JSON, HTML, XHTML, CSS**
* Utilized **Microsoft Orleans** Framework to simplify the development of scalable and fault-tolerant distributed systems, integrating seamlessly with existing .NET applications.
* Leveraged **Microsoft Orleans** actor-based model for high availability and scalability, abstracting complexities of distributed computing for efficient handling of business logic and data processing tasks.
* Worked on cloud computing using Windows Azure and SQL Server Azure.
* Expertise in Data Modelling, Data Mapping, **T-SQL**, **SQL Server Management** **Studio SSMS**, SQL Server Integration Services SSIS, SQL Server Analysis Services SSAS and **SQL Server Reporting Services SSRS**.
* Experience in working with SSAS in creating cubes, data source views, named queries, dimensions, and deploying analysis services projects.
* Experience in writing complex Database Queries, Stored procedures, Triggers, Views, and Functions using **T-SQL, MS SQL** Server 2016/2014.
* Experienced in working with IoT technologies, including IoT Hub and IoT Edge, to enable seamless connectivity and data processing within IoT ecosystems.
* Familiarity with various IoT solutions available in the market, allowing for the integration of IoT devices, data management, and analysis to drive innovative and efficient business solutions.
* Excellent knowledge of different OOP languages like **JAVA, .NET, C, C++, and C#.**
* Implemented Snowflake data warehousing solutions to optimize data storage, processing, and analysis, driving enhanced business insights and decision-making capabilities.

**TECHNICAL SKILLS:**

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| --- | --- |
| **.NET Technologies** | ASP.NET 1.1/2.0/3.5/4.0/4.5, ADO.NET, AJAX, Classic ASP, LINQ, Angular 9, .NET 4.5/5, Azure, Azure CI/CD, Entity Framework, Unit testing, .NET Core 2.2/3.0/3.1/3.3Microservice |
| **Languages** | C# .NET, VB.NET, Visual Basic, C, C++, Java, PL/SQL, T-SQL |
| **Web Technologies** | HTML, HTML5, DHTML, XML, XSLT, XSD, WSDL, XAML, JSON, SOAP, CSS, Web forms, Web Services, Win forms, blazor, WCF, WPF, MVC, Silverlight 2.0/3.0, XSLT, WSDL, UML, JAVA, Selenium Automation. |
| **Scripting Languages**  | JavaScript, jQuery, Visual Basic Script, Typescript |
| **Databases** | SQL SERVER 2016/2014/2012/2008, Oracle11g/10g/9i/8i |
| **Framework**  | Microsoft.Net Framework 1.0/1.1/2.0/3.0/3.5/4.0/4.5,4.5.1 |
| **Operating Systems** | Windows 98/NT/2000/XP/Vista/Windows 7/ Windows 8/8.1. |
| **IDE** | Visual Studio 2019/17/15, Visio |
| **Web Servers**  | IIS (Internet Information Server)5.0/6.0/7.5 |
| **Testing Tools** | Microsoft Visio 2019/16/13, NUnit. TFS |
| **Reporting Tools** | SQL Server Reporting Services (SSRS) 2016/2014 |
| **Version Control** | Visual Source Safe 6.0, Team Foundation Server, Tortoise, Git |
| **Code Analysis Tools** | MSOCAF/SPCAF, FxCop, HP Fortify |
| **Visualizing Tools** | Power BI, Tableau.  |

**WORK EXPERIENCE:**

**Client: Modern-Woodmen Tx Jun 2022 – Till Date**

**Role: Sr .Net Full stack Developer**

**Responsibilities:**

* Orchestrated end-to-end delivery of **.NET Core** based web application encompassing UX design, API development, database programming, and cloud deployment.
* Developed modern, adaptive web interfaces, leveraging **React** and **Vue.js** for intuitive user engagement, and actively involved in developing proof of concept for a newly proposed application using **ReactJS**.
* Built responsive web design using **React-Bootstrap**, integrating components like dropdown menus, alerts, navigation bars, and labels, while employing **JavaScript, jQuery,** and **AJAX** for client-side validations and scripting in web pages.
* Implemented reference data models and **OLTP**-optimized data stores on **SQL Server**.
* Engineered **ASP.NET Core Web APIs** with **C#.Net & SQL Server**, and worked with **React Flux** and **Redux** architecture in ReactJS projects.
* Experienced in **ReactJS** lifecycle and developing React Components using Axios for making **AJAX** Calls, while implementing **JWT** authorization tokens for role-based UI access.
* Developed cross-browser accessible interfaces using **Bootstrap, JavaScript, CSS3,** and **React JS**, and developed SQL Stored Procedures, Views, and SQL functions for various database operations.
* Implemented .NET Core **ADO.Net Entity Framework Core** architecture for ASP.NET Core applications, utilized Dependency Injection structure and Middleware’s in .NET Core.
* Designed and coded **RESTful Web API** services in .NET Core.
* Developed REST API using **Azure Service Fabric** stateless Microservices with **ASP.NET Core**.
* Created backend end services to read information from **Azure Service bus** and updated data in **Azure Sql Server**.
* Designed and implemented **Azure** event-driven architecture utilizing **Event Grids** to orchestrate and manage events across distributed applications, enabling efficient handling of real-time data processing and event-driven workflows.
* Implemented **Azure AI** capabilities **Azure Bot Service** to develop intelligent bots capable of interacting with users across multiple channels, integrating cognitive services to enhance UX and streamline communication workflows.
* Utilized **Azure AI** capabilities including **Azure Cognitive Search** to enhance search functionalities within applications, enabling users to perform advanced searches and retrieve relevant information efficiently.
* Established development environments using the latest .Net Core with Asp.Net Core.
* Enhanced **T-SQL** efficiency by optimizing queries and adhering to best practices.
* Ensured software compliance with industry regulations such as **HIPAA** and **PCI DSS**.
* Implemented **NAIC** recommendations and **ACORD** data standards for policy admin systems and data interoperability.  Created and deployed **XML** Web Services using **ASP.NET Core**, which were consumed by both **WinForms** and
* **ASP.NET Web Form** applications, enhancing data exchange efficiency and system integration.
* Designed and modeled relational databases using MS SQL Server, and wrote unit, integration, and automation test cases to ensure application quality.
* Designed and managed Azure Virtual Networks (**VNets**) for secure communication between on-premises and cloud environments
* Configured **Azure Identity and Access Management** (IAM) to enforce the principle of least privilege.
* Developed and maintained Azure Monitoring solutions using **Azure Monitor, Application Insights,** and **Log Analytics**.
* Developed **CI/CD** pipelines for building and deploying web applications and Azure functions using **Azure DevOps.**
* Served as a subject matter expert **(SME)** in Azure Security, ensuring compliance with industry regulations.
* Designed and deployed highly available applications with Azure Load Balancers, Traffic Manager, and Availability Sets.
* Collaborated with QA, release management, infosec, and UX teams throughout the software development life cycle.
* Developed APIs in Azure API Management (**APIM)**, adding **AGW** policies using **IaC** pipelines for efficient management.
* Iimplemented Middleware and Filters in **Web API** to enhance functionality and performance.
* Utilized **WCF** service calls to retrieve data for **Silverlight** applications,
* Deployed and managed **MongoDB** in a multi-server environment, configuring high availability using geographical replica sets across multiple data centers.
* Applied extensive business knowledge of pharma domain to resolve production issues and enhance current systems.
* Provided comprehensive guidance and mentorship to junior developers on .NET programming standards, test-driven development, and cloud-native best practices.

**Environment**: C#, JavaScript, SQL, T-SQL, XML, .NET Core, ASP.NET Core React, Vue.js, React-Bootstrap, jQuery, Redux, Entity Framework Core, ASP.NET Web API, WinForms, SQL Server, MongoDB, Microsoft Azure, Azure VNets, Azure IAM, AJAX, RESTful Web APIs, HIPAA, PCI DSS, Azure DevOps CI/CD pipelines, WCF, Silverlight.

**Client: ICREDIT WORKS.**

**Role: Sr. Full Stack.Net Developer. Nov 2020 – May 2022**

**Responsibilities:**

* Worked on the Medicare enhancement project in the Healthcare Domain and provided production support for mobile site issues.
* Developed standalone **.NET** applications for identifying and processing account-related data and designed **WinForms,** web-based applications, and libraries.
* Analyzed and designed new **.NET web, batch,** and **WCF** applications, and developed microservices using **MEAN** Stack and **Elasticsearch** on private cloud platforms.
* Managed Client-Side Validations using **JavaScript** and **ASP.NET** Controls and leveraged cloud services like Amazon Web Services (**AWS**) and **OpenStack** for server provisioning and automation tasks.
* Utilized different .NET Framework elements such as Windows Forms, **ASP.NET, WPF,** and **WCF** to create desktop and web applications, also implemented data model and user interface control synchronization using **Node.js**.
* Demonstrated good knowledge of Microservices and **AWS** services like **EC2, RDS, DynamoDB, S3,** and others by successfully performing server migration to **AWS**.
* Implemented **Angular** routing, navigation, components, services, and two-way data binding, and used **ADO.Net** for database connectivity and retrieval from **SQL server**.
* Utilized **ASP.NET** intrinsic state management functionality and security infrastructure for authenticating and authorizing user access, and worked on **WCF** Service, Operation, Data, Fault, and Message Contracts.
* Implemented automated build processes using **TeamCity** on Windows platform.
* Applied **Angular 12/13** techniques with TypeScript, ensuring efficient and streamlined development practices.
* Delivered complete front-end applications using **JavaScript, HTML5, CSS3, Bootstrap 4, and Angular 11/12/13**, and developed a single-page, mobile-first web application for real-time location sharing.
* Ensured application design compliance with **ADA** standards.
* Proficient in **PL/SQL** for **Oracle** databases and integrating **D3.js** for advanced data visualizations enhancing **UX**.
* Developed **PowerShell** scripts for automating tasks, utilized **Entity Framework Core 6.0** repositories on **Oracle 19c** and **SQL 2021** databases, and engineered **ERP** solutions using microservices architecture.
* Created relational databases, stored procedures, packages, views, functions in **Oracle 12c/19c & SQL-Server 16.0**.
* Implemented **FHIR HL7** standards to facilitate interoperability and data exchange between healthcare systems, ensuring seamless integration of medical information for improved patient care and organizational efficiency.
* Developed modular and maintainable **WPF and Xamarin** applications using the **PRISM** framework.
* Deployed and maintained **.NET** applications on **Pivotal Cloud Foundry**, also responsible for maintaining **AWS** Cloud Services and **S3** infrastructure for enhanced scalability and reliability.
* Conducted **ADA** accessibility testing and facilitated business requirement gathering through **JAD** sessions, collaborating within **agile** teams following **Scrum** methodology for efficient project delivery.

**Environment**: : .NET, ASP.NET, Angular, HTML5, CSS3, JavaScript, TypeScript, SQL, PL/SQL, PowerShell, MEAN Stack, Angular, Node.js, D3.js,Entity Framework Core 6.0, PRISM Framework, AWS, OpenStack, Pivotal Cloud Foundry, SQL Server, Oracle 12c/19c, Elasticsearch, MongoDB, DynamoDB, RDS, S3, Visual Studio, TeamCity, Bootstrap, Xamarin, WinForms, WCF.

**Client: State of North Carolina.**

**Role: Software Developer Jun 2019 –Oct 2020**

**Responsibilities:**

* Developed web pages using **.NET Core, C#, HTML, JavaScript**, and server controls such as Grid View, Validation controls, and component-based architectures using **Blazor** components for modular and maintainable codebases.
* Product development adhered to **Agile (SCRUM)** methodology, where progress and task assignments were discussed in everyday meetings.
* Developed dynamic **ASPX** pages for applications using **ASP.NET Core, C#.NET, .NET Core,** and **HTML**, optimizing code for the payment system with **Kendo UI** components.
* Constructed the **UI** for the transaction flow portal using **Kendo UI, MVVM,** and **Ajax**, implementing MVVM design patterns and dependency binding using **.NET Core**.
* Designed and developed web screens for the case management system using **ASP.NET Core MVC Framework** and **Web API (Restful)**.
* Employed **jQuery** for **HTML** document traversal, event handling, and **AJAX** interactions, and developed web applications using **ASP.NET Core, .NET Core, C#, and SQL Server 2016**.
* Used **Microservices** architecture and **RESTful API** to build identity microservices and addressed production issues and defects.
* Implemented **MuleSoft** for streamlined integration and efficient **API** management of diverse systems and services, enhancing connectivity and data exchange across the enterprise ecosystem.
* Implemented, migrated, and deployed workloads on **Azure VM** and **Azure SQL**, alongside creating, modifying stored procedures, triggers, tables, and views on **SQL Server2016**, performing UNIT testing.
* Utilized **Git and JIRA** for bug analysis, tracking, and fixes, also designed and implemented layouts and views using **Razor** for visually appealing user interfaces.
* Developed reusable **UI** components with **Razo**r for consistent UI development and designed the presentation layer using **.NET Core, AJAX Controls, CSS, and Telerik MVC** controls.
* Performed Unit Testing on application components using **Karma** and implemented a new feedback system for addressing users' concerns.
* Developed Azure solutions and services like **PaaS and IaaS**, including serverless .NET isolated timer trigger, **Kafka** trigger, and **Cosmos DB** trigger Azure functions.
* Implemented **Azure** Policy-based Autoscaling for critical applications and collaborated with development teams to implement Azure Application Insights for real-time performance monitoring.
* Worked on all tiers of the application, including the Data layer, Business layer, and UI layers using **.NET MVC, C#,** and **ADO.NET**.
* Configured **Jenkins CI/CD** pipelines to automate **.NET** application builds, testing, and deployments.
* Implemented security measures like boundary checks on user input parameters and prepared statements in **MySQL** to prevent **SQL** injection attacks.
* Utilized database partitioning and query caching using **MySQL** to distribute load and enhance performance.
* Developed **Jenkins** jobs and triggers to monitor GitHub repositories and execute multi-stage build tasks seamlessly.
* Created Master Pages and web-enabled online panels for data entry using **ASP.NET forms**, enhancing UI.

**Environment**: .NET Framework 4.5, C#, ASP.NET MVC, HTML, CSS, JavaScript, jQuery, RESTful APIs, C++, WPF (Windows Presentation Foundation), SQL Server, XML, XSLT, SVN, TFS (Team Foundation Server), Crystal Reports, CI/CD.

**CClient: NRG Energy, Houston, TX.**

**Role: .Net Developer April 2016 – May 2019**

**Responsibilities:**

* Spearheaded the development and customization of applications throughout the **Software Development Lifecycle** (SDLC), ensuring alignment with customer specifications and seamless integration with Enterprise HRMS systems.
* Designed and implemented user-friendly controls and layouts for **ASP.NET web pages**, enhancing the overall look and feel of web applications while ensuring consistency across different pages.
* Leveraged **LINQ** technologies for efficient data retrieval, utilizing **LINQ** to Entities, **LINQ to SQL**, **LINQ to XM**L, and **LINQ to Objects** to streamline data access processes.
* Demonstrated expertise in **ReactJS** for creating dynamic and interactive user interfaces, leveraging its component-based architecture to build single-page applications (SPAs) and enhance user experience.
* Utilized Amazon Web Services (AWS) to deploy and manage scalable and secure cloud-based solutions, integrating AWS services seamlessly with .NET applications for optimal performance and reliability.
* Developed a Financial Reporting Dashboard application using **C#,** .**NET Core**, **Angular**, and **SQL Server**, enabling real-time tracking and adjustment of financial reports.
* Created a Budget Management System application using C#, .NET MVC, Web API, and SQL Server, **streamlining** financial data transformation and calculation processes for budget planning and analysis.
* Implemented Angular resources and custom directives for standardizing financial data access and enhancing efficiency and accuracy in financial data management.
* Ensured cross-browser compatibility by implementing React JS code and React Router for seamless navigation experiences within financial applications.
* Designed user-friendly interfaces using **Kendo UI** for financial application modules, providing intuitive and visually appealing experiences for users interacting with financial data.
* Built a robust front-end using **HTML/CSS/JavaScript/Bootstrap** on top of **.NET MVC 3** and developed the user interface for back-office support in **Agile** scrum teams.
* Created ASP pages using **ASP.NET web form** controls, **ASP.NET Ajax, C#,** and **jQuery,** alongside **ASP.NET MVC, HTML5, Bootstrap,** and **Knockout.js.**
* Implemented robust security measures in **MVC** controllers to safeguard sensitive financial data and optimize application performance, including routing, action filters, and caching mechanisms.
* Utilized **Aspose.Cells** to generate MS Excel reports for financial analytics, integrating APIs for styling, data import, and complex financial formula calculations.
* Leveraged **microservices** architecture to develop Financial Identity Microservices, ensuring secure and scalable financial data management through **REST** and **AWS** services.
* Managed and expanded AWS S3 infrastructure for secure storage and communication of financial data, utilizing **AWS SNS** and SQS services for efficient data handling.
* Loaded financial data into SQL Server using **SSIS** packages, meticulously mapping data for accuracy and consistency in financial reporting.
* Designed database objects such as stored procedures and functions to optimize financial database performance and enhance data processing capabilities.
* Utilized SQL Server Profiler to trace and optimize long-running financial queries, ensuring optimal database performance for financial applications.
* Employed **Team Foundation Server** (TFS) for version control, facilitating **CI/CD** processes tailored to financial application development.
* Developed financial web applications using **Test-Driven Development** (TDD) principles and integrated tests to ensure accuracy and reliability in financial software solutions.
* Collaborated closely with HR and IT teams to understand requirements and implement efficient solutions for integrating web applications with Enterprise HRMS systems, ensuring data integrity and security compliance.

**Environment**: REST, LINQ, TFS, CI/CD, TDD, AGILE, C#, .NET Core 3.0, React JS, Rest API, Entity Framework, MS SQL Server 2019, Angular 8, SSIS, and SSRS

**Client: 7-Eleven, Dallas, TX.**

**Role: Software Engineer - .Net Feb 2014– Mar 2016**

**Role: Software Engineer**

**Responsibilities:**

* Involved in **Agile methodology** and actively participated in Scrum meetings.
* Involved in developing the bank systems for the Digital Account Opening team.
* Using **GIT** and **Azure DevOps** Repos for source control management, Splunk for continuous logs monitoring, and involved in developing continuous integration and building pipelines.
* Involved in the complete **Software Development Lifecycle** including Analysis, Design, Implementation, Testing, and Maintenance.
* Currently involved in building the Balance Transfer capability for the bank’s Credit card application process along with an enhanced version development of the new product for our Demand Deposit Applications.
* Using GIT and Azure DevOps Repos for source control management, Splunk for continuous logs monitoring, and involved in developing continuous integration and building pipelines.
* Involved in implementing **REST** and **SOAP API** integrations, developing web services and middleware .NET API services to be integrated with the front end.
* Involved in development within the Python applications which implement the importer logics to all types of applications filled out by the bank’s customers.
* Technologies used: **ASP.NE**T C#, MySQL, **Jenkins**, **Rancher**, **SourceTree**
* Use ASP.NET MVC Page Controller pattern to add functionality to individual pages such that to accept input from the page request, invoke the requested actions on the mode.
* Implemented CRUD functionality with Entity framework in **ASP.NET MVC 6.0** and implemented sorting, filtering, and paging with Entity framework in MVC.
* Use MS-SQL Server 2012 to perform Data analysis and Data validation by writing SQL queries.
* Use Python programming and language to develop a working and efficient network within the project.
* Create data load programs and application interfaces according to business requirements.
* Support the Operations team during the deployment and troubleshoot the production issues during deployment and regularly.

**Environment**: ASP.NET C#, MySQL, Jenkins, Rancher, SourceTree, MS Visual Studio 2018 and 2022, Visual Studio.Net 4.5/5, Bootstrap, ASP.NET (MVC5, C#, Entity Framework 6), SQL SERVER 2012, MS-SQL, T-SQL, MVVM, CSS, SOAP, REST, JSON