**Vinod**

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**SUMMARY**

**Microsoft .NET Technologies**

* Around 9+ years of strong professional experience in client-server and web-based environment using Microsoft .Net Framework 2.0 / 3.0 / 3.5 / 4.0/ 4.5/4.6 including C#, VB.Net, ASP .Net, ADO .Net, .Net Web Services
* Handful experience in working with LAMBDA and LINQ expressions and Unit testing the .Net classes using NUnit and MOQ.
* Expertise in designing and developing Windows based applications and Web based applications using.NET Core, MVC, ASP.NET, VB.NET, ADO.NET, C# and SQL Server.
* 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).
* Experience in working with LINQ (LINQ to Object, LINQ to SQL, LINQ to XML, Lambda).
* Experience in working .Net Core and ASP.NET Core, its implementation of the Web API.
* Excellent experience in OOPS and Design Patterns like Singleton, Factory, etc. & UML.
* Experience in creating loosely coupled classes using Dependency Injection
* Strong experience in Test-driven development using MS Unit Testing and NUnit.
* Designed, developed, and maintained complex .NET web applications, functions, and API services, ensuring efficient workflow and optimized SQL queries with T-SQL/PL SQL and stored procedures.
* Demonstrated expertise with ASP.NET/MVC, C# programming, and Web services, including REST API and SOAP.
* Utilized Entity Framework and SQL Server 2012 or higher for efficient database management

**Web Development:**

* HTML, JavaScript, CSS, LINQ, AJAX, MVC, IIS and JSON.
* Extensively worked on ASP.NET MVC 3.0/4.0, RAZOR view engine and MVVM design patterns and good experience on PRISM framework.
* Experience in building RESTFUL services using ASP.NET Web API and performing CRUD operations.
* Expertise in using MVC/Razor design pattern in developing scalable, standards-based web applications.
* Experience in using Web API to create HTTP Restful services.
* Hands-on experience using HTML/CSS, JQuery, Bootstrap, JavaScript, AngularJS, JSON, AJAX.
* Excellent experience in writing directives, services, and controllers using Angular.
* Worked extensively on two-way, one-way data binding, built-in components and developed single-page applications using Angular.
* Experience in designing and implementing Single Page Application with Angular.
* Strong ability in Responsive Web Design using JQuery, AJAX, Bootstrap.
* Applied advanced skills in Angular15 for 3 years to enhance user interface and experience.

**Database**:

* Proficient in writing SQL Join Statements, Stored Procedures, Functions, Cursors, Packages and Database Triggers using PL/SQL and SQL Server.
* Extensive experience in Oracle PL/SQL, PostgreSQL pl/pgsql, Microsoft T - SQL.
* Proficient working with Stored Procedures, Triggers, Cursors, Functions and Views on SQL Server and using MS SQL
* Experience in working with SQL Server 2012/2008/2005 database design, development of Schemas, Tables, Views, Indexes, Stored Procedures, User Defined Functions and Triggers, Normalization, SSIS, SSRS, Transaction Management.
* Proven ability in reports development and business intelligence solution using SSRS and SSIS.
* Showcased proficiency in Oracle 11g database and PL SQL programming, as well as experience with PostgreSQL database version 9
* Experience in Web based applications using Oracle APEX HTML-DB , ASP and HTML

**Cloud and DevOps:**

* Experience with Configuring/setting Azure Active Directory Authentication for securing the web apps and rest APIs
* Knowledge of deploying and implementing Cloud solutions using Microsoft Azure.
* Knowledge of using Continuous Integration / Continuous Deployment (CI/CD) tools as Jenkins.
* Experience with working with Azure DevOps for Development and Deployment of the web application by configuring CICD pipelines in Microsoft Azure DevOps for deploying the application to Azure servers.
* Involved in creating highly available and scalable infrastructure in AWS cloud by using various AWS services like EC2, VPC, Auto scaling, ELB, RDS.
* Demonstrated familiarity with cloud hosting and deployment, particularly in Azure or AWS environments.
* Hands-on experience in deploying applications to Microsoft Azure Cloud and Good Experience in TFS Branching and Merging.

**Version Control:**

* Experience in using Microsoft Team Foundation Sever (TFS) for code repository, task assignments, and project backlog plan and various source code management tools like VSS and GIT.
* Experience with version control tools like GitHub, bit bucket, Visual Studio Team Services (Azure DevOps) and also responsible for merging, tagging and conflict resolution in GIT.
* Used Team Foundation Server (TFS), GIT & SVN for Version Control.

**Software Development Methodologies:**

* Good Experience in working with Test Driven Development (TDD) and Behavioral Driven Development
* Hands on Experience in both AGILE and Waterfall based development environments and participating in SCRUM sessions.
* Utilization and Extensive Experience in Application Design, developing Use-case diagrams, class diagrams, sequence diagrams using UML and Object-Oriented Programming (OOPS).
* Proficient in Agile/Scrum software development, Waterfall, and Test-Driven Development

**Project Management and Collaboration:**

* Experience in working with defect tracking tools like Rally, JIRA to track issues and Change Management.
* Collaborated with cross-functional teams to ensure seamless communication and integration of various components.
* Employed excellent verbal and written communication skills to document project requirements, updates, and enhancements.
* Engaged in continuous learning and professional development to stay abreast of industry trends and emerging technologies.

**Microservices:**

* Experience in Web Services to provide SOA architecture with WCF, SOAP\REST, Microservices and Configuration based activation applications.
* Contributed to projects involving SQL Server Reporting and Integration Services (SSRS and SSIS) and Microservices architecture.

**Data Formats:**

* • Proficient in storing and exchanging data using XML and JSON formats.

**EDUCATION**

Master's in Computer Science - Software Engineering, Oklahoma Christian University, United States - 2023 **3.8/4.0**

MBA in Marketing Management - Acharya Bangalore B-School, Bharathiar University, India - 2011 **3.0/4.0**

Bachelor’s in Computer Science, Mother Theresa Institute of Science and Technology, JNTU, Hyderabad – 2009 **2.8/4.0**

**TECHNICAL SKILLS**

**Programming 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.

**Database** **:** SQL Server 2008R2/2012/2014/2016,2017, PostgreSQL 9.0/9.1, Oracle 12c/11g/10g, IBM DB2

**Web** **:** JavaScript, AngularJS,Angular 15/12/10/9/7/6/4/2, React Js, Node JS, JSON, AJAX, CSS, HTML, ASP.Net MVC, JQuery, HTML5, CSS3, Resharper, Fiddler, SOAP UI, Postman.

**JavaScript Libraries :** Angular, JavaScript, jQuery, TypeScript

**Testing :** XUnit, Jasmine, Unit testing

**Web Server :** IIS 10, 8.5, 8, IIS Express, Windows Server

**Design Modeling :** OOPS, UML, MVC, Singleton, Session Façade, Singleton.

**Development Tools** : Visual studio 2008/2010/2015/2017.

**Methodology :** Agile, Kanban, Scrum

**Version Control :** TFS, Azure DevOps, GIT, VSS, GitLab, Bitbucket,

**Tools :** Swagger, Notepad ++, Fiddler, Postman

**Development components :** ASP.NET Core MVC, ASP.Net Web API, RestAPI,Windows Service, Web Service, WCF, Micro Services,

**Cloud** **Computing** : Microsoft Azure and Amazon Web Services.

**PROFESSIONAL EXPERIENCE**

**Maricopa County Treasurer’s Office**, Phoenix, AZ, June 2024 to Till date

*.NET Developer (Contract - Remote)*

**Responsibilities:**

* Analyze the requirements, sprint planning, and build modules using C#.NET, MVC, Entity Framework, Bootstrap, Web API, Web services, Angular, TFS, Visual Studio, SQL Server Management Studio, and Visual Code
* Designed UI using Angular 13, Bootstrap and Material UI
* Involved in complete application stack in Amazon Web Services (AWS) like EC2, S3 Bucket.
* Developed, debugged and optimized PostgreSQL queries for reporting and app development.
* Leading the design, debugging, coding and maintenance of applications built on Oracle and Oracle APEX.
* Fetched required data using LINQ, Stored Procedures from SQL Server database
* Optimized PostgreSQL queries and indexes to enhance application performance and reduce resource consumption.
* Designed and developed Entity Framework 2.0 Code-First approach with Repository-Pattern based backend and used RESTful and Web API as transaction and communication technology to the client-side.
* Work independently to develop solutions for complex business and technical problems. This involves following functional and technical documentation, attending functional meetings with business people and understanding the application requirements.
* Responsible for maintaining and expanding AWS (Cloud Services) S3 infrastructure using AWS (SNS, SQS).
* Research on suitable packages, compare different approaches and use the best possible solution after discussing with business and tech leaders
* Migrated legacy data from SQL Server to PostgreSQL, ensuring compatibility with the existing .NET backend.
* Also used different approaches in Entity Framework 6 to interact with database.
* Worked on AWS Script Conversion Tool (SCT) in converting Oracle schema to PostgreSQL schema.
* Working to develop best practices documentation for Oracle APEX usage in the group I am presently attached to with FDIC.

**Solar SME Inc,** Grand Prairie, TX**,** Oct 2023 to May 2024

*Sr. .NET Developer (Contract - Hybrid)*

***Tools & Environment:*** *Visual Studio 2020, C#, .NET 4.5, .Net Core, .Net 6, MS SQL Server 2019, ASP.Net Core, MVC 5.0/4.0, Entity Framework 6.0/5/4.3, WCF, GitHub, Entity Framework Core 2.0, Bootstrap, Typescript, IIS 7.5, HTML, HTML5, DHTML, XHTML, REST Web Services, LINQ, Microsoft Visual Studio 2019, Angular8/9, C#, ASP.NET Web API*

* Developed single-page applications (SPA) with responsive web design, utilizing HTML5 grid layouts and CSS3 media queries for seamless adaptability across devices.
* Utilized C#, .NET Framework, .NET Core, and ASP.NET with C# to develop REST API backends.
* Developed front-end interfaces using CSS/CSS3 (SASS, LESS), Bootstrap, JavaScript (ES5), jQuery, Angular8, AJAX, and JSON.
* Created Angular modules, controllers, directives, and filters to implement business logic.
* Designed Angular applications using UI-Router for data binding and rendering different templates.
* Implemented various Angular features such as NG-Model, NG-IF, NG-For, Dependency Injection, Input, Output Emitter, Class Binding, and Two-Way Binding.
* Software development in Oracle 6i,10g,11g and Oracle APEX
* Developed, tested, and deployed .NET applications within Docker containers to ensure consistent environments across development, testing, and production stages
* Developed connectors (Python, MongoDB, PostgreSQL) for real-time market data aggregation platform
* Integrated Angular with .NET Core Identity for secure authentication and authorization.
* Built and deployed microservices with Angular and .NET Core.
* Implemented data access layer using Entity Framework, leveraging code-first approach to streamline development.
* Optimized data queries using LINQ to improve application performance by 20% through optimized queries.
* Developed internal web application for project management using ASP.NET MVC and NHibernate.
* Mapped complex business objects to database entities using NHibernate annotations.
* Managed, configured and optimized runtime of persistence services (PostgreSQL, MongoDB, ElasticSearch)
* Implemented CRUD functionality with Entity framework in ASP.NET MVC and implemented sorting, filtering and paging with Entity framework in MVC.
* Design & implement end-to-end automation of infrastructure and continuous delivery of the applications by integrating Cloud Formation scripts, Jenkins, Ansible and AWS.
* Developed cloud-based web apps, API apps, and cloud services using AWS ECS and EC2.
* Experience in deploying applications using AWS Elastic Beanstalk and utilizing AWS Lambda functions.
* Developed applications using .NET Core Framework and ASP.NET, following the N-tier architecture.
* Used Entity Framework for data access, including Database First design and bulk insertion in MySQL.
* Developing business plans for conversion of existing Oracle Forms 10g applications to Oracle APEX 4.0 applications.
* Implemented state management using Temp Data, View Data, and View Bag in ASP.NET applications.
* Worked on creating database tables, views, triggers, stored procedures, and functions using SQL.
* Utilized GitHub for version control and extensively used JIRA for project development and tracking.

**IBM India Pvt. LTD,** Bangalore, India, July 2016 to July 2022

*Sr. .NET Full Stack Developer (Full Time - on-site)*

***Tools & Environment:*** *.NET Framework, ASP.NET MVC, C#, .NET &.NET Corem, Web APi, Angular, Entity framework, Web Services, HTML, jQuery, Bootstrap, CSS, GitHub, AJAX Toolkit, IIS, SQL Server, Visual Studio*

***Project 1:*** *eSign Application - Health Care*

*Environment – Back End C#, Asp .Net Core 6, Web API, SQL Server .*

*Duration – Oct 2020 To July 2022; Team Size – Agile Scrum Team Size - 9.*

* Both Back end & front end development & Customization for Product Sales which allow to create ESign module for Complete flow patients Transactions
* Manage Employee , Admin User to all different Levels for Access privilege Rights
* Tools used Asp .Net, MVC, Core 3.1& 6, C#, Web API, SQL Server & Angular 10.
* *Developed and maintained enterprise-level web applications using .NET Core and PostgreSQL.*
* *Managed servers on the Amazon Web Services (AWS) platform instances using Puppet, Chef Configuration management.*
* Asp .Net, MVC Design Pattern with Angular Development for complete projects.
* Utilized .Net Core & Angular, REST WebAPI & EDMX extensively for Get Json data, querying and manipulation.
* SQL Server 2019 Writing Stored Procedures, Trigger and Views.
* Using Test / Debug Postman API Tool for entire WebApi Applications.
* Using GIT repository Source control*.*

***Project 2:*** *Confidential, Health Care - USA*

*Environment – C# Asp .NET & .Net Core, MVC, Web API, SQL Server 2017 & Angular*

*Duration – Since Jun 2020 To Sept 2020.; Team Size – Agile Scrum Team Size - 7.*

* Allowing Back to work Employee based on the health check ups.
* Manage Employee , Admin User to all different Levels for Access privilege Rights.
* Create Result pages for Covid, Flu & Temperature check ups for Employees.
* Manage / create customers accounts details.
* Get all search Results from SSRS Reporting Services.
* Integrated PostgreSQL with .NET applications using Entity Framework Core and Npgsql, reducing database query times by 30%.
* Asp .Net, MVC Design Pattern with Angular Development for complete projects. Utilized .Net Core & Angular, REST WebAPI & EDMX extensively for Get Json data, querying and manipulation.
* SQL Server 2019 Writing Stored Procedures, Trigger and Views.
* Using Test / Debug Postman API Tool for entire WebApi Applications.
* Using GIT repository Source control.
* Utilized WebAPI, Json data and Angular custom codes across the web application.

***Project 3:*** *Health Care Application – AvMed & BCBSRI - USA.*

*Environment – C# Asp .NET & .Net Core, MVC, Web API, SQL Server 2017 & Angular.*

*Duration – Since Sept 2019 To Mar 2020. Team Size – Agile Scrum Team Size - 8.*

* Manage / create customers accounts & credit cards accounts details.
* Payment balance transfer, manage Card Holder account details etc.
* Get all search Results from SSRS Reporting Services.
* Asp .Net, MVC Design Pattern with Angular Development for complete projects. Utilized .Net Core & Angular, REST WebAPI & EDMX extensively for Get Json data, querying and manipulation.
* SQL Server 2017 Writing Stored Procedures, Trigger and Views.
* Using Search Results SSRS Reporting Services.
* Using Source Control TFS Source control.

***Project 1:*** *Health Care - Web Application – Confidential, USA.*

*Environment – C# ASP .NET Core, MVC , Web API, MS SQL Server 2017 & Angular 6*

Duration – July 2016 – Sept 2019. Team Size – Agile Scrum Team Size - 9.

Responsibilities:

* Asp .Net Core, MVC Design Pattern, Web Api with Angular 6
* SSRS Reporting services, Development for complete projects.
* Utilized Asp .Net, Angular, C#, MVC Ajax, REST WebAPI & EDMX extensively for Get Json data, querying and manipulation.
* SQL Server 2017 Writing Stored Procedures, Trigger and Views.
* Using Search Results SSRS Reporting Services.
* Using Test / Debug Swagger API Tool for entire WebApi Applications

**Smarsh India Pvt. LTD,** Bangalore, India, Nov 2014 to June 2016

*.NET Developer (Full Time - on-site)*

***Tools & Environment:*** *VisualStudio.NET, .NET framework, User Controls, XML Web Services, Entity Framework ADO.NET, UML, Rest Web API, HTML, Angular, WCF, Oracle 10g, SQL Server 2014, TFS and CSS, PL/SQL, React Js, Win Forms*

* Developed and implemented Agile Software Development methodologies to facilitate efficient and high-quality software development processes.
* Utilized the Entity Framework Code First approach for the Data Access Layer in the ASP.NET MVC 4.0 application with HTML5.
* Designed and developed a new web application using ASP.NET MVC, focusing on providing performance data visualization to users.
* Created WPF Forms, Custom Controls, and User Controls using the XAML language to enhance interactive UI elements.
* Developed a custom, single-page, responsive web application to replace a legacy line-of-business web application, leveraging AngularJS.
* Proficient in working with both SOAP and Restful web services, using tools like SOAP UI and axis client.
* Implemented custom controls using third-party libraries such as Telerik.
* Utilized Entity Framework for Object-Relational Mapping (ORM) in database operations.
* Developed unit tests for components using the NUnit Testing Framework.
* Set up an Automation Environment using Eclipse, Java, Selenium WebDriver jars, and TestNG.
* Worked on an application built with VB.Net and performed enhancements by modifying existing VB.Net code to align with business requirements.
* Implemented database schema design, queries, and stored procedures for PostgreSQL to support scalable data operations.
* Developed Stored Procedures, Triggers, and Views in SQL Server 2012 for database interactions.
* Implemented business logic in the middle tier using C#.NET.
* Reengineered existing applications into N-Tier web-based applications using ASP.NET MVC with C# as the backend.
* Extensively utilized MVC for designing applications compatible with multiple devices.
* Created complex SQL Statements to validate data, ensure system integrity, and enhance security in SQL Server (T-SQL).
* Developed T-SQL procedures for data extraction and loading during month-end batch processing.
* Implemented optimized Stored Procedures, Database Triggers, Views, and Indexes with T-SQL for various DML operations in SQL Server 2014.
* Worked on creating Rest Services using ASP.NET Web API and C#.
* Designed custom forms using Angular form builder and implemented client-side validation using Angular's built-in and custom validators.
* Developed reusable UI components for presenting dynamic data and built Single Page Applications using Angular.
* Created various front-end screens using ReactJS, leveraging predefined components from NPM (Node Package Manager) and Yarn library.
* Worked with AJAX-enabled WCF services and Web API using C#, VB.NET, and ASP.NET MVC.
* Utilized Bootstrap and Angular.js for effective web design.
* Designed and developed Service-Oriented Architecture (SOA) services using WCF and Restful Web APIs, incorporating XML, WSDL, ASMX, and SOAP protocols.
* Designed a comprehensive framework to support Test Driven Development (TDD) by implementing Dependency Injection through the Unity framework and creating a generic repository.
* Employed TFS for Source Code Control, document sharing related to the project, and team collaboration.