**Palacharla Kasi Viswanadam**

**Sr. Full Stack .NET developer**

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**Professional Summary:**

* Over 10 y**ears’** 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.
* Strong experience on **Microsoft Technologies** like **C#, ASP.NET MVC, ASP.NET Web API, .Net Core, ADO.NET, Entity Framework, Microsoft SQL Server, IIS, GIT** and front - end development technologies **HTML5, CSS3, JavaScript, jQuery, AngularJS, Typescript and Bootstrap framework**.
* Experience working with **Agile Scrum, Waterfall,** and heavy involvement in all phases of **Software Development** Life Cycle (**SDLC**).
* Expert in implementation of **N-Tier Architecture Data Access Layer, Business Logic Layer** and User Interface (**UI**).
* Experience working on **Object Oriented Programming (OOPS) concepts** including Multithreading, Collections and Exception Handling.
* Good expertise in developing web-based applications and cross browser applications using **.Net Framework 6/5/4**.
* Experience in programming with **.NET Framework** and **.NET Core** using **C#, ADO.NET**, Entity Framework, ASP.NET, **Visual Studio 2008/2010/2013/2015/2017/2019**, **SQL Server 2008/2012/2017.** Experience in developing Microservices using **ASP.NET Core**.fg
* Experience in deploying applications with **Cloud Services** by creating a simple **Cloud Service** with **Visual Studio,** testing it locally, deploying to a live **Microsoft Azure Cloud environment**.
* Good experience on **Azure integration** services where we **integrated** our applications with **Azure API Management, Service Bus, Logic Apps, and Azure Functions**.
* Extreme proficiency in Cloud Computing embracing **Azure IaaS, PaaS** based offerings leveraging Windows Azure, Agile project management
* Experience in **Azure developing** and deployment, worked in **Azure Web application**, app services, virtual gateways, **traffic managers, API** management for restricting policies and **registration Azure** storage- storage accounts, **blob storage**, managed storage and unmanaged storages and **Azure SQL** database and **No-SQL cosmos DB**.
* Expert in **Azure Cosmos DB** (**NoSQL**) for storing documents and fetching the client **related data** from collections.
* Expert in **patterns** **MVC, WCF, WPF, LINQ and Visual Studio** various versions, **Web services, XML and JSON**.
* Proficient in developing **various web services** like **WCF, ASP.NET Web API’s** using both **SOAP and REST architectures**.
* Experience in using **Windows Communication Foundation (WCF)** in the project for communicating and providing real time data from integrated server to client application.
* Experience in handling various backend data sources like **MS SQL Server 2000/2005/2008, MS Access** and **XML, XAML Data source.**
* **Expert in creating Entity Classes, Relationships** between **Entity Classes** using **LINQ (Language Integrated Query) to SQL and LINQ to Dataset** to manage **relational data** as objects.
* Experience in creating **interactive web application** and single page application using **AngularJS, Angular 2/4/6/8**.
* Experience in building service-oriented applications using **WCF (Windows Communication Foundation)**.
* Experience working in **Database design** and writing Stored Procedures, **Functions, Statements, Triggers, Views,** Joins, Performing **Query Optimization** and Performance Tuning in **SQL Server 2008/2010/2012/2017 databases**.
* Strong experience in configuring **JMeter** to **perform load test** on the **API’s.**
* Experience in **Integration testing**, writing **Test cases, Test plans, generating Test scripts**, **Bug analysis** and fixes using **MS Unit and NUnit**.
* Experience working in establishing Continuous integration/ **Continuous Deployment** services using **Visual Studio Team System (VSTS), TFS and GIT**
* Expertise in troubleshooting **Azure** related issues and engage internal teams and vendor for issue resolutions

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Operating Systems** | Windows 10, Windows 8.1, Windows 7, Ubuntu 18.04 |
| **.NET Technologies** | .Net 4/5/6, .Net Core 3/3.1, ASP .NET, .NET CORE, ADO .NET, LINQ, LINQ to SQL, Windows Forms, Web Forms, WCF, Web API, MVC 3/4/5, Razor, Blazor |
| **Design Patterns** | Test Driven Development, Agile & Scrum Methodologies, UML, Visio, OOPS, MVC 5/4/3, MVVM |
| **Web Technologies** | HTML, HTML5, XHTML, XML, XAML, JSON, CSS 3, Node JS, Kendo UI, Angular JS, Angular 2/4/5/6/8, Angular Material, Ajax, Web Services, Bootstrap |
| **Programming Languages** | C#, VB, SQL, PL/SQL, C, C++, JavaScript, Typescript |
| **Cloud** | Microsoft Azure Cloud |
| **Databases Development** | MS SQL Server 2017/2015/2014/2013, Oracle 10g/9i/8i |
| **Unit Testing** | X Unit, MS-Test, NUnit, Mockito, Jasmine, Visual Studio Unit Test |
| **Web Services** | Restful and SOAP |

**PROFESSIONAL EXPERIENCE:**

**Charles Schwab, Westlake, TX Apr 2022 – Till date**

**Sr. Full Stack .NET Developer**

**Responsibilities:**

* Developed the application using **Microsoft .Net framework 6** and **Visual Studio 2022** using **MVC 5.0** architecture and **Razor View Engine**.
* Worked on **Visual Studio 2022/.Net Core 6 Framework** to **implement Business** and **Repository layer pattern**.
* Worked in **Azure infrastructure management** (**Azure Web Roles, Worker Roles, SQL Azure, Azure Storage**, **Azure AD Licenses** and **Office365**). Worked on lift and **shift migration** of **on-premises legacy** applications to **Azure.**
* Converted .Net application to **Microsoft Azure Cloud Service Project** as a part of **cloud deployment**.
* Designed and developed the Windows application which consisted of a Win forms GUI with business objects for code reusability.
* Leveraged **Azure Migrate** **tool** to assess the existing on-**prem Infrastructure** for **Server compatibility** and cost estimation. **Defined** and created master **ARM** templates for all the **Azure services.**
* Implemented **Azure Data factory, Storage Account and Linked service** to **load** the **Data** from various sources to the **Azure SQL Server.** Worked on **Cloud Databases** and **Data warehouses (SQL Azure).**
* Implemented the **Data Sync** **operations** between the **SQL Database** on the **Azure.**
* In order to handle very large datasets, I Installed ESXi on a HP Gen9 with Multiple Ubuntu installs for SFTP, Samaba, and MySQL.
* Technology Used: Windows 10, Visual Studio 2012 / 2015, SQL Server 2014, WPF, C#, .NET 4.6.1, MVVM, Direct3D, SharpDX
* Configured **Azure cloud service** for end - point deployment, deployed **WCF** services on **Azure cloud.**
* Created fully automated deployment of **Infrastructure** in **Azur**e using **Azure DevOps** **Pipelines**
* Wrote **libraries** that are used across other **legacy applications.** Upgraded projects from **VB.NET** and .**NET Framework** to **.Net Core**.
* **Microsoft Azure PaaS** Services, Strategy and Planning.
* Used ADO.NET to connect Web forms to data sources such as MS SQL Server and XML files for manipulating data in database.
* **QNXT Dynamic Query Tool -** Build tool for users to get the sql scripts ran them quickly against QNXT database, it maps tables joins, any filters applicable and provides the script result.
* Used NodeJS, Express JS to build and publish web services to provide access to the models and exposed it using a REST API that emits JSON. Secured the app with Passport JS using a local strategy.
* Developed components for authentication and authorization module for the Monitory Benefits Application using reactJS and used Redux to handle the application state across multiple components. Used Babel, Webpack to transpile and build project.
* Developed different modules user, authentication, authorization for RESTful service layer with NodeJS express, CORS library, crypt for encryption.
* **QNXT 4.7 to 5.0 Upgrade** - Upgrade the QXNT 5.0 Configuration and updated the work around for the existing QXNT.
* Used **Azure Data Lake** as Source and pulled data using **Azure Polybase.**
* Worked on **Restful service framework, C#, SQL, HTML, XML/XSLT, CSS, Enterprise service** **framework.**
* Implemented SSO with SilkRoad using **SAML 2.0.**
* Worked on **Server less services** **(Azure Functions)** created and configured **HTTP Triggers** in the **Azure Functions** with **Application Insights** for **monitoring** and performing **load testing** on the **Applications** using **VSTS**.
* Developed the rich visual components through WPF using XAML and Expression Blend.
* Developed GUI based Administrative application to track the data using VB.Net Win Forms.
* Created fully automated SFTP backup systems for my users
* Worked with **Angular CLI** for creating and developing the components, serve and testing the **application**.
* Built the **new application** from scratch and involved in migrating the application from **C++** to **Angular 13 and .Net CORE 6**.
* Created **Typescript** reusable components and **services** to consume **REST API's** using Component based **architecture** provided by **Angular 13**.
* Developed the required **Entity Models** and used **SQL** server as **relational database** for the **database** to get the fast and responsive **data** for the users and for **upgrading** the **data** in the **databases.**
* Implemented **RESTful API's** with **Azure Service Fabric** stateless **microservices** using **ASP.NET Core**.
* Developed reports using **complex formulas** and to **query** the **database** to **generate** different types of **ad-hoc** reports using **SSRS**. Extensively used **SSIS** to create packages to move **data** from a **single** **data source** to a destination.
* Developed controller and **service** methods using **TDD (Test Driven Development)** methodology and developed unit and Integration tests by using **NUnit,** **XU nit, and Mock** **framework.**
* Designed and developed **NodeJS** based JavaScript application that performs a series of mathematical calculations on the numbers obtained from the web services present the results in a nice user-friendly comparisons trend graph.
* Prepared architecture plan to create the Azure Cloud environment to host migrated **IaaS** and **PaaS** role instances for re-factor applications and databases
* Analysed and designed new WPF application using MVVM and Repository pattern, from design to completion.
* Involved in the conversions of QNXT ICD9 TO ICD10.
* Experienced in **azure Data Lake** storage **gen2** to store **excel files**, **parquet** files and retrieve using data using **Blob API.**
* Building **teh pipelines** to copy the data from source to destination in **Azure** **Data Factory**
* Used **C#.NET** as **code** behind in all **web applications** and in **WPF** based applications.
* Used **Karma and Jasmine** testing **frameworks** to **test angular** components and **services.**
* Worked on distributed version control system/Subversion called **GIT** and comfortable with **feature branches,** rebasing, merging

**Delta Airlines, Atlanta, GA Jan2021– Mar 2022**

**Sr. Full Stack .Net Developer**

**Responsibilities:**

* Used Azure DevOps tool for management.
* Involved in creating both **Restful API** using both **Asp**.**Net Web API** and **Node JS** and used **Postman, PowerShell scripts and Windows Virtual Desktop ARM Client** to test Web API endpoints.
* Created the web application in **.NET framework**, .**NET core** and implement logic using **C#** and **OOPS** concepts.
* Perform Peer’s **Code Review** to avoid any **code quality issues.**
* Update **Azure Pipeline’s**. **yaml files**
* Monitor the test logs in **Microsoft Dogfood** and **Jarvis** portals.
* Prepare **Ev2 (Express v2)** templates for **Microsoft azure resources** and generate the template files for deployments across multiple regions.
* Development of 3D visualization and UI of document print system (Machine Ticket Automation) utilizing WPF, MVVM, Fundamental 3D Graphics
* Used **React JS** in components like **JSX**, creating **React** components.
* Configuration of **EDB** **PostgreSQL** for production**, pre-production** and **non-production** environments.
* Experienced in **React Js** and working with **React Flux architecture**.
* **NGRX store** was used to store results after **angular injector** observables retrieved the **data** from **backend.**
* Added **logic to dispatch** the action to the **NGRX store**, this was done to update the store and to update components **subscribed** to that **particular store.**
* **GUI development using C#. NET, ASP. Net MVC, HTML5, CSS3, AJAX, jQuery.**
* **Developed the rich visual components through WPF and Silverlight using XAML and Expression Blend.**
* Experienced in writing the **web applications** for the code written in **python** which is **migrated** from **SPSS.**
* Implementing generic **PaaS** deployment API for repackaging and deploying applications on heterogeneous **PaaS** platforms
* Provided high availability for IaaS and **PaaS** role instances for access from other services in the C#.Net with Azure Internal Load Balancer
* Developed **Mean Stack** from **scratch including** **Mongo DB** server setup and **Express JS** server development.
* Involved in **Test Design, Development** and **Implementation** of test procedures in **Selenium Performed** unit testing and integrated testing for **fixing** the **bugs,** writing **test cases, test plans** and **generating test scripts.**
* Develop on demand applications according to **user priority** **(Java, Groovy)**
* Developed stored **procedures, functions**, and **triggers** using **SQL** and **T-SQL** in **MS SQL Server** for fetching the data and binding and used **LINQ** to **SQL** to query the database.
* Configured **Azure DevOps** **Pipelines** **VSTS/TFS CICD Pipelines, Build Jobs, Plugins, and Workflows** in **Non-Prod & Prod** environments and **integrate** **VCS** using **Git.**
* Developed and optimized services using **Node JS** and **ES6** as interfaces to **Cassandra NoSQL database.**
* **Matlab**, **Excel VBA User Interface** for end users.
* Used **Entity Framework** to create **Models** and used tools to explore **REST API**. Used **NuGet** package manager to **pack** and Use the **updates versions** of **browser control.**
* Involves **Unit Testing**, **Integration Testing** and **Regression Testing** in a regular basis to improve the performance of the application.
* Wrote the **groovy** unit test cases using the data tables as **per speck** standards by **mocking** the services and **repositories.**
* Develop **various screens** for the front end using **React JS** and used various predefined components from **NPM (Node Package** Manager) and **Redux libraries.**
* Implemented IOC (Inversion of Control) through Structure map. Preparing **SRS, URS,** Trace ability matrix and User Guide Documents.
* Wrote **Python** **scripts** to parse **JSON** documents and **load** the data in **database.**
* Used **Agile methods** and **frameworks/tools** like spring and **NHibernate.**
* Used **NHibernate** to provide communication between **data access layer** and **backend database.**
* Customized User **Controls, web controls** using **Kendo UI** and improved the performance of the application by configuring the **caching, Bowser Storage, Managing Cookies.**
* Programming **MATLAB** and **Data modeling.**
* Using .NET, **SFTP** scription, and BAT scription, I **designed + coded +** deployed a pharmacy perscription image relay system that uses email and **SFTP.**
* Worked on responsive design and developed a single **ISOMORPHIC** responsive website that could be served to desktop, Tablets and mobile users using **React Js**
* Performed Installation/configuring **PostgreSQL.** Mainly **PostgreSQL VERSIONS 9.6, 10.11** and **11**
* Implements software **Configuration Management**, setting up company version policies utilizing **TFS**.

**Webster Bank, Stamford, CT**  **June2018-Jul2020**  **Full Stack .Net Developer**

**Responsibilities:**

* Involved in **Agile Methodology (SCRUM)** in developing and implementing web applications to meet customer expectation, timelines with quality deliverables.
* Collaborated with business **stakeholders**, architects and developers and to **design** and enhance **large scale, customer-facing web** applications, built on the **Microsoft technology** **stack (ASP.NET/ C#/ MVC, SQL Server).**
* Collaborated with the architects to design and implement a framework that allows for the development of a shared library of user **interface (UI)** components that may be used on multiple pages on applications built on the **platform**
* Designed and Developed **front-end UI** using **HTML5, CSS3, JAVASCRIPT, JQUERY, BOOTSTRAP**, and React.js**.**
* Developed User interface by using **React JS** function components and react hooks Design **cloud solutions** for various system components using **Microsoft Azure.**
* Analyze and optimize the performance of **back-end service** calls and browser requests for **HTML.**
* Develop/ update web services, **MVC** controllers and associated libraries/ classes and data sources.
* Developed **SPA** with the help of client-side routing using react router library.
* Created middleware component classes and WCF services across the enterprise and integrated in UI using MVVM pattern in Prism framework using WPF Helpers class from PrismAppBase
* Contributed mostly to the Security mode les, authentication, and authorization module of the core application using ASP.NET MVC 5.
* Worked on the POC for establishing claims to the ADFS server through WIF(Windows Integration Foundation) using SAML.
* GUI was developed using C .NET and ASP.NET. Used the .Net Framework 3.5 and converted Legacy code from .Net 3.0 to 3.5.
* Retrieving Wave files from the **Azure Blob** and also retrieving the **Queue Storage** data from **MS Azure.** Implemented features in **ASP.NET MVC** applications using **NHibernate, Structure Map** and **jQuery**  Created Web APIs using **ASP.NET** **Web API** allow new web/ client projects to leverage reusable data.
* Developed **Web** and **REST services** within greater project schemes.
* Developed multi-channel and content aggregation features.
* Experience in web development using **.NET Core**, mention your skills in building web applications using **ASP.NET** Core **MVC** or **Razor Pages**. Highlight your knowledge of web technologies **like HTML, CSS**, and **JavaScript,** and any front-end frameworks
* Involved in taking Backups, Restoring, Import/Export data using MS SQL Server and DTS
* Implemented **MVC architecture** using **C# .NET, ASP.NET.**
* Developed visual components through WPF using XAML and Expression Blend.
* Designed, developed, and migrated **SSIS** **2008** to **SSIS** **2012** packages.
* Created a console application to obfuscate the data by using **C#, ADO.NET,** and **Faker NuGet package.**
* Experience in Migrating applications to the **MS Azure cloud.**
* Actively involved in Migrating applications to **Dot Net, classic** to **Azure cloud** deployment.
* Setting up Connection Strings and connecting **SQL Server AZURE Databases** from locally Installed **SQL Server** Management Studio (**SSMS**) for **Developers.**
* Integrated the **third-party APIs** into the current system.
* Used **JENKINS** for continuous integration (**CI**) and **continuous deployment (CD) pipeline.**
* Implemented **Maven Script** to create **JAR, WAR, EAR dependencies.**
* Used collections, interfaces, abstract classes to implement the project and worked with the Exception Handling.
* Developed and maintained stored procedures, User Defined Functions, **Indexes, Views, Tables**, relationships on **SQL Server** database.
* Ensure work products are delivered on-schedule and comply with best practices and standards.
* Developed functional requirement specifications by collecting data and preparing use cases.

**Aetna, Hartford, CA Dec 2016 – May 2018**

**Role: Full Stack .Net Developer**

**Responsibilities:**

* Used **.NET MVC**, **n-tier architecture** and **Object-Oriented Methodologies** for application development.
* Created **ASP.NET pages** using **C#.NET** for middle-tier processing of client requests with **ADO.NET** interfaces for database and implemented stored procedures.
* Used **ADO.NET** and data objects such as **Data Adapter, Data Reader, Dataset, data** table for consistent access to **SQL data** sources.
* Designed and implemented **Business Layer** using **ASP.NET**. Designed and implemented User **Interface Layer** using **ASP.NET MVC** **architecture.**
* Created **SQL** command on **Data layer** to access **data** from **Database** and to insert **data** in **database**
* Designed and implemented **Data access layer** using **ADO.NET** to connect and retrieve or **manipulate database information**.
* Used **Azure** for scaling and checking reliability of the applications.
* Developed Angular 8/10 component for front end validation to Banking application using vscode. Credit Card Front end angular page talks to MVCWebAPI back end application to store credit card details.
* Used **Service Bus Queues** for communication in multi-tier **Azure application**.
* Implemented **MVC 5.0** to reduce the complexity and to get full control over the behaviour of the application.
* Used **C# and WinForms** to collect data from different **APIs** using multi-threading and asynchronous **operations.**
* Used **ASP.NET AJAX** and updated web pages to implement the **AJAX** functionality to enhance the application.
* Involved in customizing the **Web Forms** **Data grid** for **GUI.**
* Used PassportJs for token-based authentication for the login and user CRUD API.
* Improved **UI experience** using **JavaScript, jQuery, and KnockoutJS**.
* Worked on **Server-side** validations using **C# and ASP.Net validation controls** and **client-side validations using JavaScript**.
* Used **Team Foundation Server** for **Version Control Environment.**
* Created and updated **Entity Relationship Diagram** using **Microsoft Visio**.
* Developed Windows services to store **SQL Server data** into **cloud base** **data warehousing** by using **Microsoft Azure**.
* Implemented **PL/SQL queries, triggers, Packages** and **Stored Procedures** as per the design and development related requirements of the project.
* Used **Jira** to keep track of various stages of the bugs and incidents.

**Environment:** .Net 4.5, ASP.NET, MVC 5, C#.Net, ADO.NET, Microsoft Azure, WinForms, WCF, WPF, HTML, CSS, XML, Jira, jQuery, KnockoutJS, Bootstrap, TFS, JavaScript, AJAX, Microsoft Visual Studio, SQL Server, Jira, Agile Scrum

**Client: Rockwell Collins – Hyderabad, India May 2014 – Nov 2016**

**Role: .Net Developer**

**Responsibilities:**

* Involved in the design of **the Use Case Diagrams** and class diagrams using **Microsoft Visio.**
* Designed and implemented **Data access layer** using [**ADO.NET**](http://ado.net/)**t**o connect, retrieve and manipulate database information.
* Used **ASP.Net 3.5 AJAX** **Server Control** and toolkit to **asynchronously retrieve data** from server for a better performance and an increase in **interactive animation** on **web pages.**
* Worked on optimizing the **ASP.Net web pages** using **C#** and **SQL Server** stored procedures to call the application from the database.
* Used**Team foundation server (TFS)**as source control repository for code version on **CI/CD.**
* Used **ADO.NET** objects **Data Sets, Data Reader, data adapter** to effectively communicate **with SQL Server Database.**
* Created **Web Methods** using **Web Service** and deployed the **Web Service** on **IIS** in the production server.
* Responsible for daily **Build & Release** of applications, writing automation scripts.
* Developed **UI using JavaScript, HTML**, **CSS**, and **XML.**
* Used Unit testing to simulate different case scenarios to catch **potential bugs.**
* Proficiency in **Software Development** **Life Cycle** **(SDLC)** and **Agile methodologies** of development process such as requirement analysis & definition, prototyping, proof of concept, designing, coding, testing and implementation.