**Prasanthi Sai**

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**Summary of Experience**

* **Over 10+** years of experience in **designing, developing**, and **maintaining web** and **client-server** applications using Microsoft Technologies.
* Expertise in .NET framework with great proficiency in creating applications using **WinForms, WebForms, ASP.NET, C#,** **VB.Net**, **ASP.NET MVC, ADO.NET, XML, Cascading Style Sheets (CSS), JavaScript, TypeScript, Bootstrap 3/4, WCF, IIS7.0, SQL Server 2014, LINQ, Visual Studio.NET.**
* Expertise in all the phases of **Software Development Life Cycle (SDLC)** including requirements, analysis, design, implementation, integration and testing, deployment and maintenance.
* Developed the application using MVVM pattern in C# and WPF.
* Expertise in working with **User Controls and Custom Controls using C#.**
* Expertise in working with **ADO.NET** components such as **Dataset, DataAdapter** and **DataReader**.
* Experience with client-side scripting technologies like **JavaScript, TypeScript.**
* Experience in developing **UML diagrams** including **Use Case diagrams, Class diagrams, Interaction diagrams, State diagrams** and **Deployment diagrams**.
* Implemented Security in Web Applications using Azure and deployed Web Applications to Azure.
* Familiar using Dependency Visualization in Azure migrate for deep analysis and identify application dependencies.
* Worked with Client team to build flow diagram for existing Training environment.
* Did pilot migration of Dev/Test workloads via lift & shift to Azure using Azure Site Recovery.
* Expertise in developing Windows based applications using VB C and VB.NET.
* Excellent experience in creating & consuming **Web services** over **SOAP** using **C#.**
* Implementation of **Service Virtualization** at Enterprise level at Confidential using best practices.
* Experience in designing **GUI** screens using usability and design principles.
* Designed and developed Data Access DAL Business Logic layer BLL and other components in VB.
* Experience in writing complex user defined **Functions, Stored Procedures**, **Views, Triggers, and Cursors** using **MS SQL Server (2000/2005/2008/2014/2017)**, **Oracle 10g**
* Experience in **relational database design**, data extraction, data transformation and loading from large and complex data sources using **MSSQLServer2014/2008**.
* Experience in using **Microsoft Visual SourceSafe, TFS** for **Version Control**.
* Experience and/or working knowledge of indexing, query plans, installation and configuration of Microsoft reporting, analysis, and integration services **(SSRS, SSAS, SSIS)**
* Hands on experience in Distributed Technologies like **Web Services, REST/WEB API.**
* Good experience in designing scalable applications through load balancing and performance tuning.
* Experience of Project Management Tool using MS Project and MS Visio, UML Case Diagram.
* Well versed with QA Methodology and QA Process to ensure the Quality Assurance including Test Case Planning /Development, Test procedures and analyzing the test results, Unit Testing with **Nunit**.
* Developed the project modules using **SCRUM** methodology (Planning, Sprint Cycle, and Closure).

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| **Technical Skills** |  |
| * .Net Technologies | : ASP.Net 1.1/2.0/3.5/4.0, ADO.Net 1.1/2.0, Entity Framework 4.7. |
| * Languages | : C#.Net, VB.Net, C, C++, Java, SQL, PL/SQL. |
| * Web Technologies | : HTML5, CSS5, JavaScript, TypeScript, XML, XSLT, SOAP, AJAX, Web Services, SOAP/ Web API, Angular, NodeJS. |
| * GUI & IDE | : VS.Net 2012/2013/2015/2017. |
| * RDBMS / DBMS | : SQL Server 2016 / 2014 / 2008, ORACLE, IBM DB2. |
| * Web Server | : IIS 8.0/7.0/6.0 |
| * Version Controller | : TFS 2010/2012/2013, Tortoise SVN. |
| * Virtualization & Web Services | : Soap UI/Pro, Parasoft SOA, Broadcom, IBM Rational Test Virtualization Service (RTVS), Castlemock |
| **Educational Details** |  |

* Bachelor of Technology in Computer Science and Engineering, JNTUK, India.

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| **Project Experience** |  |

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| **WEX Healthcare Inc., Schaumburg, IL** | **Sr. Full Stack Developer** | **August 2022 – Present** |

WEX Health provides software and services to support the administration of health-related financial accounts, such as health savings accounts and flexible spending accounts. We also provide software and services to support the administration of COBRA health benefit continuation and health insurance premium billing.

**Responsibilities**

* Designs/codes applications following specifications using the appropriate tools.
* Developed web applications with Angular as Front-end and .NET as backend technology.
* Developed and designed web application with the Angular 9 and WEB API as backed layer by using .NET Core 3.1.
* Used Kafka for message streaming. Connected to **Kafka** topics using various **topics, brokers** related information.
* Implemented MVVM pattern for the Application Development in Agile Methodology.
* Configured applications that run multi-container Docker applications by utilizing the Docker-Compose tool which uses a file configured in YAML format.
* Develop and enhance application features using C#, WinForms, and WPF to provide a smooth user experience.
* Used Aiven console for visualization of Kafka topic messages for data search or identify any failure in the message stream in Kafka.
* Expert level knowledge on Cloud AWS & Azure Services.
* Hands on experience in developing and deploying WCF Services on .Net 3.5 and XML Web Services with .Net 2.0 providing secure SOA integration with in enterprise applications.
* Responsible for Designing coding developing and implementing application using vb.net.
* Developed Mobile Hybrid Application using Angular, TypeScript, NodeJS and IONIC framework.
* Written clean, scalable code using the .NET 4.6 and Core 2.1/2.2/3.1 framework.
* Created web service (RESTful, SOAP, and http/s) models (VSM) and images (VSI), enhanced service images to cater to different testing requirements.
* Extensively worked on MVC, PRISM and MVVM design patterns and strong knowledge of WWF.
* Consumed web services written in COBOL and developed Web API as backend.
* Extensively used Telerik RadGauge as dynamic data visualization tool for Silverlight.
* Used Telerik Chart Control to display the data in graphical format.
* Used Telerik Docking Container Control to design docking layout for the application.
* Used Telerik RadribbonBar Control to design menu layout to replicate that of MS office 2010.
* Developed and maintained applications using Angular 9/7/JS and jQuery using Visual Studio Code as IDE.
* Developed front-end for application using HTML5, CSS3, Angular Material, Directives, Decorators, and Bootstrap 3.7/4.
* Provided new and improved interface designs for enhancing user application experience.
* Involved in configuring integration between UI and services by using HTTP Client, Rx JS and Interceptors.
* Developed and maintained SOAP and RESTFUL web services for application consumption using C#.
* Implemented WEB API services for CRUD operations with HTTP verbs GET, POST, PUT and DELETE by using Entity Framework Code First Approach or Dapper depending upon the requirement.
* Involved in designing database, creating tables, views, Stored Procedures and functions by using Microsoft SQL server 2017.
* Analyzing the existing code and did performance tuning of the queries using SQL tuning.
* Developed and maintained SQL Server Integration Services for ETL (extract, transform and load) jobs.
* Implemented and maintained Microsoft solutions like Application Insights, Azure Blob Storage also monitoring telemetry to implement performance improvements.
* Used Azure Application Insights to monitor application performance, diagnose issues and improve performance and usability.
* Deploying applications to cloud services using Microsoft AZURE and Amazon Web Services (AWS).
* Wrote PowerShell scripts for deploying code and registering DLL.
* Developed and maintained reusable NuGet libraries.
* Enhanced and maintained scheduled SQL Jobs running Microsoft SSIS packages and applications on MVC 5 and WCF.
* Used Docker for setting Azure Container Registry with Docker and Docker-compose and actively involved in deployments on Docker using Kubernetes.
* Prepared test plan and execution of test cases for unit testing.
* Also, maintained defect tracking in Rally.
* Written unit test cases using Jasmine and NUnit frameworks.
* Implemented continuous integration and continuous deployment to Window servers for applications hosted on Internet Information Services.
* Supported the deployment process using tools like those that Team City and Octopus deploy.
* Used Confluence for documenting project and deployment related information.

**Environment:**  C#, Web API, MVC5, Kafka, Aiven, Angular 9/8/7, JavaScript, Typescript, XML, HTML5, CSS3, SCSS, Microsoft SQL Server 2017, SSIS, SSRS, LINQ, Entity Framework, Dapper, NUnit, NuGet Packages, Azure Application Insights, Azure, PowerShell, Confluence, Jira, GitLab, TELERIK Controls, SourceTree, DevExpress v.11.1, Agile Scrum, Broadcom, IBM Rational Test Virtualization Service (RTVS), Parasoft, Castlemock.

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| **New Mexico Corrections Department, Santa Fe, NM** | **Dot Net Technical Lead** | **July 2020 – August 2022** |

New Mexico Corrections Department is the New Mexico state agency that oversees over 26,000 incarcerated and Community based offenders on behalf of the citizens of New Mexico.

**Responsibilities**

* Support NMCD's main application, Criminal Management Information System (CMIS), that tracks offenders from intake to successful community reentry and reintegration.
* Support the functionality of existing .NET web applications and build new web applications to support business needs using HTML5, CSS3, JavaScript, jQuery, AngularJS, C#, VB.Net, ASP.Net, ASP.Net MVC and TSQL.
* Used 3rd party controls like DevExpress and Infragistics for both windows and web applications.
* Used Object Oriented development methodology using VB.NET.
* Created middleware component classes across the enterprise and integrated in UI using **MVVM** pattern.
* Developed visual components through **WPF** using **XAML** and **Expression Blend.**
* Developed modules for inputting data building search criteria s and generating ad hoc reports withVB.Net Windows forms Win Forms.
* Worked on Azure Bicep in automating to deploy Azure Resources for various infra (Prod, Test, QA).
* Create SAP Crystal Reports by accessing data from SQL server and integrate them into .Net applications.
* Enhancing the performance of existing applications by modifying business logic.
* Designed, configured, and deployed Azure Resource Manager (ARM) templates for a multiple application utilizing the Azure stack including Compute, Web App, function app, Blobs, Data Factory, Resource Groups, HDInsight Clusters, Azure Cosmos DB.
* Code deployments to Development, QA, Mock and Production environments.
* Handling complete App Store submission and Enterprise deployment process.
* Extensive experience in iOS and Android application design and implementation using Objective-C,C++, SWIFT and Cocoa Touch respectively.
* Deploy and configure new offender management web application releases to UAT, Sandbox and Dev environments.
* SOAP Virtualization, Data-Driven Virtualization, Web Service, Website virtualization.
* Install and configure Internet Information Services (IIS) on Windows servers to host .NET applications.
* Perform T-SQL script maintenance and updates due to changes in requirements or implementations.
* Develop and design database strategies, monitoring and improving database performance and capacity, and planning for future expansion requirements for both small and large databases such as the Criminal Management Information System (CMIS).
* Work on .NET framework in creating web applications using Web Forms, ASP.NET C#, ASP.NET MVC, Cascading Style Sheets (CSS), JavaScript, Bootstrap 4, IIS 8.0, SQL Server 2017, and Visual Studio .Net.
* Develop new design and styles for the Web pages using bootstrap to enhance the responsiveness of the web pages.
* Create Tables, Stored Procedures, User Defined Data Tables in SQL Server, Web Service/Web API that can be utilized by user interfaces/external applications to consume data.
* Perform API testing to ensure the API level-validation, done using Swagger and Postman to consume the Restful Web services.
* Build custom SSRS reports for Stakeholders for management and reporting purposes.
* Integrate solutions with other applications and platforms outside the framework.
* Hold meetings with Business Analysts, Quality Analysts, and Project Managers as part of migrating legacy systems to new systems.
* Use the data analytics tools like Birst for analyzing data by generating the reports and dashboards.
* Use Splunk data analytics to index and search through web application and database logs to create the reports and visualizations per business needs.
* Perform data analysis, data access, and data structures, write application software, data manipulation, databases design, programming, test and implement, technical and user documentation, software conversions.
* Coordinate with QA team during testing phase to understand the bugs raised and resolve bugs.
* Gather business requirements from the users and be involved in regular discussions to understand the business requirements well in developing a good and user-friendly application.
* Perform the due diligence to find out the tools/technologies to be used that would be best fit for developing an application which is carried out by involving in regular discussions with the team.
* Perform code review for the team members, provide suggestions and ideas to increase performance of the application and decrease complexity of the code.

**Environment:**  C#, VB.Net, HTML5, CSS3, Web API,Bicep, Swagger, Postman, Splunk, Microsoft Visual Studio 2017, Microsoft SQL Server Management Studio 2017, WCF, Broadcom, IBM Rational Test Virtualization Service (RTVS), Parasoft, Castlemock.

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| **New Mexico Public Education Department, Santa Fe, NM** | **Dot Net Technical Lead** | **July 2018 – July 2020** |

New Mexico Public Education Department is the New Mexico state agency that oversees public schools. This agency coordinates with the public schools and reports the data to the federal government.

**Responsibilities**

* Developed web application in Visual Studio 2015 and Microsoft SQL Server 2012. Designed Presentation layer using ASP.NET, AngularJS, Bootstrap, HTML 5, CSS3, JavaScript, jQuery and AJAX using TDD and Agile methodology.
* Implemented SOA with creating and consuming Web Services in VB.Net.
* Developed business rules using **C#** unit test cases and tested them across the data submitted by schools.
* Worked on the **Ed-Fi**, which securely connects educational data systems like Grading, Transportation, etc.
* Working with the real-time data from schools and validating it across the **Data validation rules engine** developed using C#.
* Created middleware component classes and **WCF** services across the enterprise and integrated in UI using **MVVM** pattern in **Prism** framework.
* Used **Model Base** and **View Model Base** classes and their inbuilt functions for validation of Model objects and Properties in View Model classes.
* Using CA /ITKO LISA for Virtualization Process (Virtual service development (VSM, VSI, custom data protocols) and deployment.
* Prepare and dispense **work assignments**, provide guidance, and/or review the work of other team members.
* Develop Metrics to Assess & Improve quality and effectiveness of the development team.
* Develop **technical documentation** to define the system components, development environment and implementation planning/strategies.
* Worked on azure log analytic workspace where bulk logs are available once the Kubernetes is enabled, then used logic app to filter the required logs and used event hub to transfer the logs to Splunk.
* Sound Knowledge and good working experience on launched iOS and basic knowledge on Swiftprogramming language.
* Experience with Xcode and Interface Builder, Instruments, Mobility Tester and Static Analyzer including development, debugging, profiling, optimizing, and build process in Object Oriented Design Principles (OOD & OOP).
* Responsible for converting existing systems to an infrastructure as code (ARM, Bicep) while maintaining platform stability.
* Provide in-depth and strong technical specialty and knowledge to the team.
* Create **unit tests** in accordance with team policies & procedures.
* Ensure Developers comply with established development standards and procedures
* Estimate, plan and manage development tasks for a number of developers on projects, ensuring that the project is on time with quality.
* Provide guidance to internal and external stakeholders in the development of solutions that create innovation.

**Environment:** Visual Studio 2015, C#, VB.Net, ASP.NET 4.5, ASP.NET MVC, ASP.NET WebAPI, WCF, ADO.NET Entity Framework, LINQ, JSON, AngularJS, HTML5, CSS3, Bootstrap, SQL Server 2014, Team Foundation Server 2015, IIS, Broadcom, IBM Rational Test Virtualization Service (RTVS), Parasoft, Castlemock.

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| **Centene Corporation, Greater St. Louis** | **ASP.NET Developer** | **Nov. 2016 – June 2018** |

Centene provides high-quality, culturally-sensitive healthcare coverage and services to millions of people across the United States and internationally. Through healthcare programs, Centene Corporation collaborates with a network of physicians, hospitals and supportive healthcare services to deliver the best care for every person.

**Responsibilities**

* Responsible for analysis, design, implementation and deployment of code and database. Maintain **SDLC** process whole development life cycle using the **Agile** methodology and Test-Driven Development (**TDD**).
* Designed User Interface with **Razor** Views, Partial Views and Layout View using **HTML5, CSS3 Bootstrap, JavaScript, jQuery, AngularJS**.
* Designed the Web application using **C#, ASP.NET MVC 5.0, ASP.NET WebAPI**, **WCF**, **AngularJS, Razor Views** and populated data using **ADO.NET Entity framework** and Used **Entity Framework** to model and manage data from **SQL Server**.
* Used RxJS (Reactive Extensions for JavaScript) library for reactive programming using observables.
* Complete understanding of iPhone/iPad/iPod architecture and various versions of iPhone Software Development Kit (SDK) that includes Xcode, UIKit, MapKit, WebKit, Instruments, iPhone simulator and Third Party frameworks.
* Developed middleware component classes and WCF services across the enterprise and integrated in UI using MVVM pattern.
* Created **AngularJS** Routing to connect different controller to the view which allows the **single-page application (SPA).** For better design user experience used **Bootstrap** for Modal pop-ups, Alerts.
* Develop **ASP.NET** **MVC** Controllers, Views, View Models and Helper methods for two-way data binding and implement Entity Framework Code First Approach to work with database.
* Used **jQuery** validation and **ASP.NET MVC 5.0** unobtrusive validations were used to validate form fields and provide custom requirements/error messages through **C#** attributes in the Model.
* Used **Web Grid** and **Kendo Grid** for display and manipulate data in View.
* Used Action Filters for user authentications and authorizations and for caching pages to improve performance.
* Created new database objects like Stored Procedures, Triggers, Indexes and Views using **T-SQL** in development and production environment for **SQL Server 2012**.
* Worked on **SQL Server Services** like **SSIS, SSRS** providing functionality for variety of data sources using **T-SQL**.
* Involved in **Testing** of the modules before submitting to QA in all the phase of testing like Unit Testing, Integration Testing and System Testing using **NUnit** Framework.
* Implement **Git** as Source Control, **JIRA** for requirements gathering and testing and Bug tracking, **Jenkins** as build and deployment tools.

**Environment**:  Visual Studio2012, C#.NET, VB.Net, ASP.NET, ASP.NET MVC 5.0, WebAPI, WCF, Entity Frame Work, ADO.NET, AngularJS, jQuery, AJAX, Agile, NUnit Framework, SQL Server 2012.

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| **PrismSoftIT Business Consulting, India** | **.NET Developer** | **May 2014– Oct. 2016** |

PrismSoftIT Business Consulting Technologies is an enterprise middleware. PrismSoftIT provides its own application server product as well as a variety of other middleware products that customers use to link and manage enterprise applications, databases, and hardware.

**Responsibilities**

* Implemented various business logic classes in **C# and ADO.NET.**
* Involved in system design and for creating **database Schemas**.
* Designed several **SSIS** packages to load the data.
* Used **ADO.NET** objects for database communication.
* Designed GUI and interfaces with services for mobile applications, Asynchronous Programming in Android (such as Thread pool, Tasks and services).
* Provided guidelines to help the UI to match the Android Lollipop.
* Design and development of **user controls** in the **web page**.
* Responsible for documenting and providing the help system for the new users.
* Auditing **stored procedures** for optimization and improving the performance tuning.
* Involved in extensive **testing** and **debugging** of all the modules coded.
* Debugging and fixing runtime errors during Testing and Production support  
  Added constraints, indexes to the database design. Developed business objects and other based on the database tables.
* Front-end template creation & Coding implementation.
* Implementing Project Management Process and Managing change requests.
* Involved in, but not limited to Unit Testing, Bugs, and Issues meetings to achieve zero bug convergence.

**Environment**: Microsoft Visual Studio 2008, VB.Net, IIS, MS SQL Server 2005, C#, ASP.NET, XML, HTML, JavaScript, VSS.

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| **Virtual Labs, India** | **ASP.NET Developer** | **July 2013 – May 2014** |

VLMS Online is managing the machines, Hardware devices and software. Repository of Machines, Repository of Images (Various Operating Systems and Software), It should have a file center. Here user can upload Images. Machines will be organized in group. Each group will have an owner. Administrator should be able to configure various roles required for the system. User should be able to see the available machines. Group wise machine list will be displayed.

**Responsibilities**

* Designed and developed web pages using **ASP.NET and C#.NET**.
* Involved in designing and developing **WinForms and ASP.NET** web pages.
* Developed Business Logic Layer by implementing **OOPS** concepts.
* Extensively used **ADO.NET** to access data from **SQL Server**.
* Extensively used **Java script** in Web pages.
* Used **Visual Source Safe** as version control tool.
* Design and develop common reusable modules like generic export to excel module and common Silverlight UI components.
* Analyzing the functionality and coding using **C#.NET**.
* Designing Screens.
* Taking the requirements from the Client, Solution design based on the requirements.
* Developed the Testing environment for few batch programs using **Win forms**.
* Designing the front-end and back-end (database).

**Environment:** C#.NET, VB.Net, ASP.NET, Visual Source Safe, SQL Server 2005 and JavaScript.