**Shirisha Vanam**

**.Net Developer**

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***PROFESSIONAL SUMMARY***

* Over **8 years** of experience in **software development life cycle (SDLC)** for **client/server** and **multi-tier architectures**, including **Design**, **Development**, **Integration**, **Implementation**, and **Testing**.
* Extensive experience with **Model-View-Controller (MVC) architectures**, including **MVC 6 beta1**. Expert at developing **software** using **Model-View-Presenter (MVP) architectures**.
* Comprehensive working knowledge on **Microsoft Technologies**, including **.NET Framework 4.8/4.7/4.6/4.5/4.0/3.5**, **.NET Core 3.1/2.2**, **ASP.NET MVC6/5**, **Visual Studio 2019/2017/2015/2012**, **C#.NET**, **VB.NET**, **IIS**, **Win** and **Web Forms**, **Web Services**, and **Microsoft SQL Server 2019/2017/2016/2014/2012/2008/2005**.
* Solid understanding of **HTML5**, **AJAX**, **JSON**, **XML**, **CSS3**, **AngularJS**, **Angular 15/13/12/11/9/8/5/2**, and **Bootstrap**.
* Experience in both **Infrastructure as a Service (IaaS)** and **Platform as a Service (PaaS)**, as well as **Azure's Blob storage service**.
* Expertise in **ADO.NET components**, including **DataSet**, **DataReader**, and **DataAdapter**.
* Expertise in developing **ASP.Net Web custom controls**, **user controls**, and rich **graphical user interfaces**, including **AJAX toolkit**, **CSS**, and **master pages**.
* Experience in developing **Single Page Applications (SPAs)** with **Angular** and implementing modern **web development techniques**.
* Expert at using **Entity Framework** for **data access** and **manipulation**, as well as ensuring efficient and **secure database interactions**.
* Extensive experience in creating robust and scalable **RESTful services** using **ASP.NET Web API**.
* In-depth working knowledge of **HTML5**, **Telerik controls**, **jQuery**, and **WCF services** for development of **ASP.NET Web Forms**.
* Expertise in the implementation of **Microsoft Application building blocks** for **.NET projects**, including **Data Access**, **Exception Handling**, **Serialization**, and **User Interfaces**.
* Experience implementing **RESTFUL Web Services**, **WCF**, and **SOAP** using **Service Oriented Architecture (SOA)**.
* Extensive experience developing **ASP.NET applications** using **Silverlight** and **Windows Presentation Foundation (WPF)**.
* Detailed understanding of **WPF controls**, **layouts**, **assets libraries**, and **customizations**.
* Experienced with **MS SQL Server** and **Structured Query Language (SQL)**.
* A solid understanding of the **Microsoft SQL Server Reporting Services (SSRS)** and the **SQL Server Integration Services (SSIS)**.
* Performance tuning experience with **ORM technologies** such as **Entity Framework 6.0 Database First**, **Code First**.
* Expertise in **scrum tools** such as **JIRA Agile**, **Scrum Works**, and **Bugzilla**.
* Experience creating and implementing company-wide **versioning policies** through **Team Foundation Server (TFS)**, **SVN**, and **GitHub**, as well as orchestrating **build schedules**.
* Excellent **troubleshooting skills**, dedication to **quality**, excellent **communication skills**, and excellent **interpersonal skills**.

***TECHNICAL SKILLS***

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| --- | --- |
| **.Net Technologies** | .Net Framework 4.8/4.7/4.6/4.5, .Net Core 3.1/2.2, .Net 5, ASP.Net MVC6/5, C#.Net, VB.NET, IIS, LINQ, Entity Framework |
| **Web Technologies** | HTML5, AJAX, JSON, XML, CSS3, Angular 15/13/12/11/9/8/5/2, Angular Material, Bootstrap |
| **Webservices** | SOAP, REST |
| **Cloud** | Azure |
| **Data Base** | MS SQL Server 2019/2017/2016/2014, MySQL, MS Access, NoSQL DB – Mongo DB |
| **Reporting & Integration Tools** | SSRS, SSIS, Crystal Reports |
| **Other Tools** | JIRA, TFS, GITHUB, Fiddler, Visual Studio, Docker, Jenkins |
| **Operating System** | Windows, iOS, Android |

***PROFESSIONAL EXPERIENCE***

**Progressive Insurance, Mayfield, OH Dec 2023 – Till Date**

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**Responsibilities:**

* Contributed to collaborative and iterative development through participation in **Sprint Planning**, **Daily Scrum**, **Sprint Review**, and **Sprint Retrospective meetings**.
* Enhanced the **security**, **performance**, and **maintainability** of your **application** by leveraging the **advanced features** available in **.NET Core**.
* Developed **RESTful APIs** using **ASP.NET Web API 2** and **C#** that enable seamless communication between **clients** and **backend systems**.
* Designed and implemented **Restful web services** using **C#**, **.Net**, **.Net Core**, and **Visual Studio.Net**.
* Implemented responsive and user-friendly interfaces in **ASP.NET MVC applications** using **HTML5**, **CSS3**, **Angular 13/15**, and **Bootstrap**.
* Integrated **Azure Blob storage** into **ASP.NET MVC-6 applications** to achieve high **reliability** and **scalability**.
* Incorporated **RESTful APIs** into **MVC** to facilitate smooth communication between **front-end** and **back-end components**.
* Set up **virtual networks**, **subnets**, **security groups**, and **load balancers** on **Azure IaaS** for secure, efficient communication between **application components**.
* Improved **application stability** and **user experience** by implementing **error handling** and **exception management** strategies for **ASP.NET MVC 6 applications** using **WCF**.
* Responsible for maintaining **code integrity**, collaborating, and maintaining **version control** throughout the **development lifecycle** using **Team Foundation Server (TFS)**.
* Designed, developed, and maintained **MongoDB databases** using **NoSQL database principles** to improve **application performance** and **scalability**.
* Developed **user interfaces** using **ASP.NET WebForms controls** and **custom controls**.
* Utilized **Visual Studio CI/CD pipelines** to develop, test, and deploy **ASP.NET MVC 6 applications**.
* Maintained consistent **availability** and **reliability** by effectively overseeing **Docker container lifecycle tasks** such as **scaling**, **updating**, and **rolling back containers**.
* Designed **Bootstrap themes** to match **application requirements**.
* Integrated **NuGet packages** seamlessly throughout development and deployment to ensure seamless **application functionality**.
* Analyzed and optimized **HTTP/HTTPS network traffic** using **Fiddler**.
* Managed end-to-end **development lifecycles** using **Microsoft Azure DevOps**, which included **requirement management**, **version control**, **continuous integration** and **continuous delivery**, and **reporting**.
* Employed **JIRA** throughout the development process to facilitate **team coordination**, **task assignment**, **progress tracking**, and **bug resolution**.

**Environment:** .NET Core, RESTful APIs (ASP.NET Web API 2, C#), Azure Blob storage, ASP.NET MVC 6 (HTML5, CSS3, Angular 13/15, Bootstrap), WCF, Azure IaaS (Virtual networks, security groups, load balancers), ASP.Net WebForms, MongoDB, Docker, CI/CD pipelines (Visual Studio), TFS, NuGet packages, Microsoft Azure DevOps, JIRA, Windows.

**Forcht Bank, Lexington, KY Jan 2022 – Nov 2023**

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**Responsibilities:**

* Assessed and customized web applications based on end user specifications.
* Implemented **RESTful Web APIs** to fetch data such as asset inventories and vulnerability repositories. Developing and implementing **Restful APIs** for **Web Services.**
* Developed the application using **.Net Core 3.1, Angular 12, C#, Entity Framework Core, SQL Server 2019, TypeScript, Bootstrap, CSS,** and **HTML5.**
* Created entities in the **Data Access Layer** using **Entity Framework**. Consumed Restful Services developed using Web APIs.
* Developed RESTful **ASP.NET Core** **Web APIs** with **Entity Framework Core** and **xUnit** unit testing using Modern Framework technologies. In accordance with requirements, create **Restful APIs.**
* Maintain a nightly monitoring system for **SQL jobs**. Scheduled job collects data from different sources such as **Asset Inventories, Vulnerability Repositories, Compliance Systems, etc.**
* Using **Windows Azure Worker Roles**, the application was transformed from Infrastructure as **a Service to Platform as a Service (PaaS).**
* Created accelerators such as **logging utilities, exception handling, encryptions, master pages**, and **user controls** to speed up application development. Develop **front-end applications** that integrate web services.
* Created database objects and manipulated queries, stored procedures, functions, and triggers for several applications
* Implemented **SQL Server Reporting Services (SSRS**) to provide comprehensive reporting.
* Used query analyzer to optimize **SQL** queries for performance.
* Debugged the application with the **Visual Studio .NET IDE.**
* Designed and implemented a **POC** for deploying and managing web packages using **docker** and **Azure.**
* Automated builds, version control, and code reviews with **TFS.**

**Environment:** ASP.Net Core 3.1, C#, ASP.NET, Angular 12, HTML5, TypeScript, Bootstrap, Web API, SQL Server 2019, IaaS, PaaS, SSRS, SSIS, GITHUB, Jira, Jenkins, Docker, Azure, TFS, Agile, Windows.

**Acosta Insurance, Elkhart, IN Oct 2020 – Dec 2021**

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**Responsibilities:**

* Developed **functional software** iteratively with **Agile methodologies** ensures **rapid development**, **flexibility**, and **adaptability**.
* Implemented **ASP.NET Core 3.1**, **ASP.NET MVC 5**, **C#**, **Restful services**, and **JSON** to achieve robust **functionality**.
* Responsiveness was achieved through **Angular Material**, **Bootstrap**, and **CSS3**.
* Implemented **RESTful Services** using **ASP.NET WebAPI 2** and **C#** to efficiently expose **analytics data**.
* Utilized **Angular's component-based architecture** to create **Typescript components** for using **REST APIs**.
* Developed **HTTP-based APIs** using **RESTful principles** and ensured optimal **client-backend interaction**.
* Optimized **scalability** and enhanced **global accessibility** of **analytics data** by deploying **REST services** on **Azure**.
* Redesigned and architected the **Designee Management System application** using **Angular 10/11**.
* Developed and modified existing **SQL Server 2019 Stored Procedures**, **Views**, and **Functions**.
* Developed **software** using **Microsoft's .Net Framework** and **Object-Oriented Programming (OOP)**.
* Designed a diverse range of **WCF bindings**, **behaviors**, and **endpoints** to ensure efficient **data retrieval**.
* Created responsive **web interfaces** using **Bootstrap's grid system**.
* Utilized **ASP.NET Web API** to design and implement **RESTful APIs**.
* Managed **user data** across sessions using **ViewState** and **session management techniques** - **ASP.Net WebForms**.
* Configured multiple **WCF bindings**, **behaviors**, and **endpoints** for optimal **performance** and **security**.
* Using **Windows Azure**, session management can be administered on the **cloud**.
* Provided **state management**, **event handling**, and a **page lifecycle management service** for **WebForms applications**.
* Utilized **version control tools** such as **TFS** for **bug handling** and tracking **bugs** on a **daily basis**.
* Implemented **CI/CD pipelines** using **Azure DevOps**, meticulously configuring **build**, **testing**, and **deployment workflows** via **YML files**.

**Environment:** Agile Methodologies, ASP.NET Core 3.1, ASP.NET MVC 5, ASP.Net WEB API, ASP.Net WebForms, C#, Restful services, JSON, Angular Material, Bootstrap, CSS3, Angular 10/11, Bootstrap, Typescript, SQL Server 2019, ASP.NET WebAPI 2, WCF, Azure cloud infrastructure, Azure, Windows Azure, TFS.

**Catchndealz, Corbin, KY Jan 2019 – Sept 2020**

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**Responsibilities:**

* Designed **n-tier architecture web applications** using **C#**, **ADO.NET**, and **ADO.NET Data Access**. **NET** and **ASP.NET**.
* Designed and developed **web-based UI** using **HTML controls**, **data controls**, and **web controls**.
* Implemented **Web Services (WCF)** using **ASP.NET** and **C#**, generating **proxy classes** from the **Web Services** and integrating them into **web applications**.
* Developed **ASP.Net MVC** and **Angular 6/8 single page applications**.
* Implemented **APIs**, **service-oriented architecture**, and **JSON marshalling** for existing **pages**.
* Implemented **N-tier architecture** using **C#** and **MongoDB**.
* Configured optimizations and secured a **web application** using **ASP.NET Web Forms**, **Web Services**, and **State Management**.
* Utilized **ASP.NET Core** to develop and maintain **web applications**.
* For **report development** in **Telerik**, utilized various elements such as **charts**, **Excel types**, **barcode reports**, and more.
* Utilized **jQuery plugins** to extend **application functionality**.
* Utilized **Flexbox** and **Grid layout techniques** for **modern responsive designs**.
* Implemented **middleware components** for handling **requests** and **responses**.
* Utilized **Dependency Injection** to enhance **code modularity** and **testability**.
* Integrated **third-party services** and **libraries** with **Web API**.
* Utilized **LINQ to Entities** for efficient **data querying** and **manipulation**.
* Designed and developed **scalable** and **maintainable MVC applications**.
* Utilized **HTML5 forms** and **validation** for improved **user input handling**.
* Utilized **ASP.NET**, **ADO.NET**, and **web services** provided by the **.NET framework**.
* Created **Business Logic Layer**, **Data Access Layer** classes using **C#**.
* Implemented **ASP.NET** and **C# Web Pages** for the **project**.
* Responsible for managing the **Continuous Integration** and **Continuous Deployment (CI/CD) pipeline**.
* Utilized **Microsoft's Unit Testing Framework** to test **endpoints** using **Postman** and **Mock**.
* Performed **end-to-end testing**, **troubleshooting**, **debugging**, **integration testing**, **regression testing**, and **performance testing**. Ensured that the **processes** are effective by **analyzing results**.

**Environment:** .Net Framework 4.8, Kendo UI, ASP.Net Core 2.0, ASP.Net Web API, C#, ADO.NET, MVC 5, jQuery, Angular 6/8, CSS3, HTML5, JSON, TypeScript, Webservices, Entity Framework, Jenkins, GIT, Jira, Agile, Mongo DB, Windows.

**Virinchi Technologies, Hyderabad, India Jan 2016 – Mar 2018**

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**Responsibilities:**

* Implemented **Agile Methodologies** to deliver **working software** continuously while adapting to **changing requirements**.
* Developed **middle tier components** using **C#**. Implemented **algorithms** and **business rules** using **classes**.
* Created **client-side management portals** using **C#**, **Angular 4**, **jQuery**, **HTML**, **Bootstrap**, **CSS**, **TypeScript**, and **AJAX**.
* Designed and developed a new **WPF application** using the **MVVM** and **repository patterns**. Implementing a **migration plan** for an **on-premises app** to **Azure**.
* Implemented **Restful Web APIs** for displaying and transferring **JSON data** via **HTTP protocols**, and integrated them into the **Angular 4 web interface**.
* Improved **accessibility** and **structure** of **web pages** by using **semantic HTML5 elements**.
* Utilized **jQuery** to develop **dynamic** and **interactive web applications**.
* Assisted in the implementation of **Angular 4's in-built pipes**, **custom pipes**, **validation providers**, and **lambda providers**.
* Interacted with **Microsoft SQL Server** and **Microsoft Dynamics CRM** using **REST web services**.
* Implemented **services** and intercommunicate using **WCF applications**.
* Connected to **SQL server** using **Entity Framework**, **LINQ**, and **Object Relational Mappers (ORMs)**.
* Ensured consistent **visual styling** by using **CSS3**.
* Manipulated **DOM elements** and handled **events** using **jQuery**.
* Worked extensively with **ADO.NET objects**, such as **Data Adapters**, **Datasets**, and **Data Readers**.
* Improved the **performance** of **WCF rest services** by using **Web HTTP bindings**.
* Created **custom appends** to store **log information** in a **database** using **Log4net's logging framework**.
* Implemented **ASP.NET** in **MVC web applications**.
* Managed **database operations** using **Entity Framework** and **Entity Framework Core**.
* Utilized **LINQ to SQL/Objects/XML** and **Entity Framework object relational mapping** for advanced **data querying**.
* Created **ASP.NET User Controls** to reduce the complexity of **user interface design**.

**Environment:** .Net Framework 4.8, ASP.Net MVC5, ADO.Net, CSS3, WPF, C#, Angular 4, HTML5, jQuery, REST, Microsoft SQL Server, LINQ, WCF, TFS, CI/CD, Postman, Entity Framework, IIS, Agile, Windows.

**Education**: Bachelors of Engineering in Computer Science, May 2009.