**Swaroopa Ponduri**

**Senior Fullstack .Net Developer** [**swaroopahun@gmail.com**](mailto:swaroopahun@gmail.com)

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**PROFESSIONAL SUMMARY:**

* Around **10+** years of IT experience in full life cycle development in designing, developing, and implementing Web-based and Client-Server Applications using .NET Framework.
* Very good knowledge of **CMMI** quality processes and development methodologies like **Agile**, **Scrum**, and Test-Driven development.
* Experience in all phases of software development life cycle like Requirement Analysis, Design, Development, and Unit testing of applications.
* Developed scalable web applications using **Python** and Django framework, ensuring robustness and reliability of backend systems.
* Used all aspects of MySQL/PHP Programming (object-oriented **PHP**), Zend Framework in LAMP environment.
* Extensive knowledge of **PHP** frameworks such as Laravel, Symfony, and CodeIgniter, with hands-on experience in building applications using these frameworks.
* Very good experience in working with technologies like Visual Studio .NET 2003/2005/2008/2010/2014**, C#.NET**, **ASP.NET**, **ASP.NET MVC** 2.0, 3.0, 4.0, **VB.NET**, **.NET Framework** 2.0/3.0/3.5/4.0, **ADO.NET**, Web services, **Blazor**, **AJAX** and **WCF**.
* Experience in both client-side and server-side **Blazor** development paradigms, understanding their respective advantages, limitations, and best practices.
* Implemented Onion Architecture principles to achieve separation of concerns and maintainability.
* Expert in modern front-end frameworks (Bootstrap, jQuery, AngularJS), proficient in Angular (versions 6/8/10/12) for **MVVM** design flow, with strong skills in **JavaScript**, **HTML, DHTML**, **XML**, Themes, Skins, and **CSS** development.
* Implemented security measures such as **OAuth** for **RESTful APIs** and WS-Security for **SOAP** services.
* Experience in using Language-Integrated Query (LINQ), **ADO.Net** Entity Framework 4.0 in Silverlight 3.0/4.0, and in other **.NET** objects to query and retrieve data.
* Worked with npm commands and using package.json for managing dependencies and dev- dependencies of **NodeJS** applications.
* Experience on Windows **Azure** Cloud Platform.
* Configured and managed **SSL** certificates for web applications, ensuring encryption and authentication.
* Strong command of **HTML**, **CSS**, and JavaScript for creating well-structured and visually appealing user interfaces.
* Proficient in SQL databases including **SQL** Server, PostgreSQL, and StarDog, coupled with expertise in **NoSQL** databases, particularly MongoDB, ensuring effective and scalable data management across varied application landscapes.
* Good experience in writing SQL queries, and **T-SQL** blocks like - Stored Procedures, User Defined Functions and Triggers.
* Designed and integrated **RabbitMQ** for scalable and fault-tolerant message queuing.
* Proficient in Karma, Jasmine, Jest, Mocha, and Chai for automated frontend/UI testing, ensuring robust code quality and seamless integration into **CI/CD** pipelines.
* proficient in testing tools such as Postman, **SOAP UI**, and Swagger **UI** for comprehensive API testing, automation, and documentation.
* Experience in designing and developing Microservices using **ASP.Net Core**, EC2, RDS, Dynamo DB, S3, Cloud watch, and Docker for its various advantages like loose coupling and design pattern.
* Experience in development with SQL Server 2012/2008/2005.
* Good experience in writing SQL queries, and **T-SQL** blocks like - Stored Procedures, User Defined Functions and Triggers.
* Used Angular JS and Knockout JS as the development framework to build a single-page application.
* Good Experience in GUI design and development for Web Forms using **Asp.Net**.
* Highly expertise with creating packages using SQL server Integration Services (SSIS) and Reporting Tools SQL Server Reporting Services (**SSRS**), Crystal Reports
* Experienced with **CI** tools and Version Control Tools or Source Code tools.
* Experienced in Gitlab CI and Jenkins for CI and for End-to-End automation for all build and **CD**.
* Worked on cloud computing using Windows **Azure**.
* Expert in Visual Studio, **Visual Studio Code**, **SQL** Server Management Studio for streamlined .NET build

**TECHNICAL SKILLS**

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| --- | --- |
| Area | Skill Set |
| Languages | C#.Net, VB.Net, .NET core, PL/SQL, T-SQL Scripting Languages – JavaScript and VB script. |
| Platforms/ Applications | Microsoft Technologies - .Net2.0/3.0/3.5,.Net 4x, ADO.Net, LINQ,WPF, WCF, Unit testing Framework.  Web Technologies - ASP.NET, ASP.NET MVC, HTML5, XHTML,  XML, CSS3, Bootstrap 3.x, JavaScript, ES6, Typescript, AJAX, jQuery, JSON, Angular JS 5.x/4.x/2.x, React.js. |
| Databases | TSQL, PL/SQL, Oracle 8i/9i, 10g,My SQL, Azure SQL |
| Software | Design Tools - UML, Web UML Diagrams  GUI Tools - Visual Studio (2003/2005/2008/2010/2013) and Visual web developer.  Database Tools - Microsoft SQL Server 2012/2008/2005  Deployment/Web Servers - IIS 6.0, 5.0 |
| Operating Systems | Windows 7/ 2000/ XP, Windows Server 2003, Windows Server 2008, Windows Azure |
| Reporting Tools | SSRS, Crystal Reports. |
| Software Process Model | Waterfall Model, Agile Development (Scrum) |
| UI Technologies | WinForms, WPF, jQuery UI, Kendo UI, Blazor |

**PROFESSIONAL EXPERIENCE:**

**Express Script, St. Louis, MO June 2021–Present Senior Fullstack .NET Developer**

**Responsibilities:**

* Developed robust healthcare applications using **Visual Studio**, adhering to industry standards such as HL7 for interoperability and HIPAA for data security and privacy.
* Proficient in utilizing **.NET 6.0** framework to design, develop, and deploy robust healthcare applications, adhering to industry standards and compliance requirements.
* Developed **.NET 6.0** based telemedicine applications facilitating remote patient consultations, enabling secure video conferencing, real-time monitoring, and electronic prescribing functionalities.
* Proficient in developing web applications, APIs, and microservices using **.NET Core**.
* Proficient in designing and developing applications using **ASP.Net**, C#.Net, Java, Web API & **GAIA** Cloud.
* Implemented best practices for **OpenShift** cluster setup, configuration, monitoring, and maintenance to meet healthcare regulatory standards such as HIPAA.
* Used Microservices architecture and **Restful API** to build, test, and deploy identity microservices.
* Designed and implemented **Kubernetes** clusters tailored to healthcare requirements, incorporating best practices for security, compliance, and performance optimization, while adhering to regulatory standards such as HIPAA.
* Utilized programming languages such as Swift for iOS, Java for Android to implement features and functionalities within mobile applications.
* Implemented various OAuth2 flows (Authorization Code, Client Credentials, etc.) in .NET applications.
* Knowledgeable about the **OAuth 2.0** Client Credentials Flow, suitable for machine-to-machine authentication scenarios where the client application can authenticate and access resources directly.
* Implemented **Angular 14** application to follow strict **MVC** patterns for improved source code maintenance.
* Proficient in **Angular 14** development and strong skills in **HTML**, **CSS**, **JavaScript**, **Bootstrap**, and Type Script.
* Experienced in **Microsoft SQL** Server administration, including installation, configuration, maintenance, monitoring, performance tuning, and backup and recovery procedures.
* Expertise in **SQL** databases such as SQL Server, PostgreSQL, and StarDog, complemented by a strong command of **NoSQL** databases, notably **MongoDB**, for efficient and scalable data management across diverse application environments.
* Integrated **Kafka** with Cloud **SQL** databases using Kafka Connect.
* Developed **SSIS** solutions to aggregate and transform operational data for healthcare analytics and reporting purposes.
* Used WAMP (Windows, Apache, MySQL, and **PHP** for Development using Laravel/Symphony.
* Proficient in employing **Xunit** and conducting component testing for end-to-end scenarios within the .NET Framework testing frameworks.
* Proficient in creating and managing CI/CD pipelines using Azure DevOps for automated build, test, and deployment processes.
* Configured monitoring and logging solutions for .NET applications on Azure using Azure Monitor, Application Insights, and Log Analytics, enabling real-time performance monitoring, troubleshooting, and analytics.
* Ensured Swagger documentation stayed synchronized with code changes, utilizing version control systems and automated **CI/CD** pipelines.
* Possess a deep understanding of Git commands, utilizing them for proficient branching, tagging, and effective remote repository management.
* **Environment:** VisualStudio2019, C#, ASP.NET 4.6.2/3.5, WCF, JavaScript, jQuery, AngularJS 8/10/12, XAML, HTML, CSS, TFS 2017, WCF, Entity framework, WCF REST, JSON, SOAP, IIS 7.0, AJAX, LINQ, XML, .Net core 2.0, Amazon Web Services, Microsoft Enterprise Library,

Angular Material, SQL Server Integration Services, Docker, NUNIT, SQL Server 2012 R2, Windows Server 2008 R2/2008.

**Capital One, Richmond, VA Jan 2019–June 2021 Senior Fullstack .NET Developer**

**Responsibilities:**

* Designed and developed new **ASP.NET** application with integrated custom controls and user controls.
* Developed and maintained responsive user interfaces for banking applications using **React.js**, ensuring seamless user experiences across various devices and browsers.
* Maintained and refactored existing **React.js** codebase for banking applications, improving code readability, maintainability, and scalability while incorporating industry best practices and design patterns.
* Led cross-functional **Agile** teams in implementing **Scrum** methodologies, ensuring.
* Worked with Entity Framework 6 to improve Onion Architecture, generic repository, and unit of work.
* Develop proof of concept for migrating Build/Testing/Deployment process of IBM Mainframe.
* Skilled in developing **REST API's** with Azure service fabric stateless Microservices using **ASP.NET** Core. Implemented cost optimization strategies for .NET applications on AWS, including rightsizing EC2 instances, utilizing Spot Instances for non-critical workloads, and implementing auto-scaling policies based on demand.
* Proficiently documented **RESTful API’s** using industry-standard tools such as Swagger/OpenAPI, ensuring clarity, and facilitating seamless integration for developers.
* Implemented automated deployment pipelines leveraging **OpenShift's** features to streamline the deployment process, reducing manual errors and improving efficiency.
* Demonstrated mastery in implementing Entity Framework Core as a strategic **ORM** framework, ensuring seamless integration between application code and databases.
* Application-level code to interact with the backend (Java) code **AJAX**, **JSON** and **XML** via web services and **APIs**.
* Supported development with integration of Mobile Apps using **OAuth2** in Ping federate.
* Built complex desktop - style **UI** using **HTML**, **CSS**, **JavaScript**, and **AJAX** including configuration wizards and interactive reports.
* Proficient in understanding and explaining the roles and components involved in **OAuth**, including clients, authorization servers, resource servers, access tokens, refresh tokens, and authorization codes.
* Created and automated workflows using **SSIS** packages to streamline daily banking operations, including automated data transfers between different banking systems, reconciliation processes, and data migration tasks during system upgrades.
* Successfully implemented horizontal scaling in **MongoDB**, distributing data across multiple nodes to accommodate growing data volumes and ensure high availability.
* Configured **RabbitMQ** for fault tolerance and high availability, deploying mirrored queues and clustering strategies to ensure continuous message processing in the event of node failures.
* Proficient in **T-SQL** programming, with extensive experience in writing and optimizing T-SQL queries, stored procedures, functions, triggers, and views for data manipulation and retrieval.
* Experienced in implementing RESTful APIs and web services using **PHP**, ensuring seamless communication between different components of web applications.
* Automated provisioning and configuration of Azure resources using tools like Azure CLI and Azure PowerShell scripts integrated within Azure DevOps pipelines.
* Skilled in integrating **ERP** systems with other enterprise systems, applications, and third-party solutions to streamline business processes, improve data accuracy, and enhance overall system interoperability.
* Developed and maintained Swagger annotations within code to facilitate automatic generation of **API** documentation, enhancing code readability and documentation consistency.
* Expertise in Git workflows, including feature branching, pull requests, and merging strategies, optimizing team collaboration and code integration.

**Environment:** C#.Net, Asp.Net MVC 3.0, Razor View Engine, jQuery/JQgrid, ADO.Net Entity Framework, SQL Server 2008, Java Script, .Net Framework 4.5.1, WCF,TFS 2015, 6/7 IIS 5.0/6.0,Karma, NodeJS, Jasmine, KnockoutJS, Visual Studio 2015, Perforce, SSIS, SSRS

**American Airlines, Fort worth, TX Aug 2017– Dec 2018 Senior Full Stack .NET Developer**

**Responsibilities:**

* Implemented **MVC** pattern using MVC 3.0 and rendering with Razor view Engine.
* Developed interactive user interfaces for airline reservation systems using **React.js**, enhancing the overall user experience and increasing customer satisfaction.
* Integrated **React.js** with airline booking APIs to streamline the booking process, reducing booking time and improving system efficiency.
* Designed and developed Web Application using **ASP.NET MVC**.
* Hands-on experience in designing and implementing microservices architecture using **.NET Core** and Docker containers.
* Application-level code to interact with the backend (Java) code AJAX, JSON and XML via web services and **APIs**.
* Designed, implemented, and maintained scalable and highly available **AWS** infrastructure to support critical airline systems, including ticketing, reservations, flight operations, and customer service applications.
* Design, code, test, and support .NET web applications using Visual Studio 2010, C#, ASP.Net, **ADO.Net**, **AJAX**, HTML, **MVC** design pattern, **CSS**, **JavaScript**, and Perforce as Source control repository.
* Experienced in integrating **T-SQL** with .NET applications using technologies such as ADO.NET, Entity Framework, or LINQ to SQL for seamless data access and manipulation from .NET-based applications.
* Designed, Developed and Deployed reports in **MS SQL** Server environment using SSRS 2008.
* Testing, evaluation and troubleshooting of different **NoSQL** database systems and cluster

configurations to ensure high availability in various crash scenarios.

* Experience in deploying and managing **PHP** applications on web servers like Apache and Nginx, configuring server environments and optimizing performance for scalability and reliability.
* Utilized **AWS** Cloud Formation or AWS CDK to define and provision AWS infrastructure resources as code, enabling version control, consistency, and reproducibility in infrastructure deployments.
* Implemented CI/CD pipelines for .NET applications on **AWS** using AWS Developer Tools such as AWS CodePipeline, AWS CodeBuild, and AWS CodeDeploy, automating the build, test, and deployment processes.
* Used **SVN** and then migrated to **TFS** for Source code and version control management.

**Environment:** C#.Net, Asp.Net MVC 3.0, Razor View Engine, jQuery/JQgrid, ADO.Net Entity Framework, SQL Server 2008, Java Script, .Net Framework 4.5.1, WCF,TFS 2015,6/7 IIS 5.0/6.0,Karma, NodeJS, Jasmine,KnockoutJS, Visual Studio 2015, Perforce, SSIS, SSRS.

**Principal Financial Group, DesMoines,IA**

**Senior .NET Developer Mar 2016 - July 2017**

**Responsibilities:**

* Involved in all the stages of Software Development Life Cycle starting from Requirements gathering, design, development, and testing of the application prototype.
* Involved in designing and modifying the User interface using **ASP.NET** MVC 2.0.
* Developed, implemented, and consumed SOAP and **RESTful** services. Implemented custom status codes, path (URL) parameters, key-value, parameters, query parameters, and custom HTTP headers, SoapUI / SoapSoner for unit testing.
* Experienced in constructing and executing dynamic SQL statements within **PL/SQL** code, providing flexibility and adaptability in query construction and execution.
* Implemented transaction management using **ADO.NET** transactions, ensuring data consistency and reliability in multi-step database operations.
* Extensive use of Web Services, **SOAP**, XML, XSL to expose the reports to facilitate information sharing.
* Knowledgeable in leveraging React's Virtual DOM to optimize performance by minimizing DOM manipulations and efficiently updating the UI based on changes in application state.
* Built complex desktop - style UI using **HTML**, **CSS**, **JavaScript**, React.JS and **AJAX** including configuration wizards and interactive reports.
* Strong problem-solving and analytical skills, with a passion for learning and staying updated on the latest trends and advancements in **PHP** development and web technologies.
* Implemented infrastructure as code using **AWS** CloudFormation or Terraform to automate the provisioning and configuration of AWS resources, ensuring consistency and reproducibility.
* Created Relational Database using Normalization, Implement Relationships between tables, Data table,Stored Procedure, View in SQL Server 2012.
* Implemented unit tests using F#, FsUnit, FsCheck, NUnit, and **XUnit**.

**Environment:** NET Framework 3.5, Visual Studio 2012/2013, C#, MVC, SQL Server 2008, Entity Framework 4.0, jQuery, WPF, HTML5, CSS3, LINQ, XML, XSL, SOAP, WCF, AJAX, TFS 2015,

Karma, SSS SSRS, Azure, ReactJs, TFS, IIS, NUnit.

**AppsTec Solutions, India Aug 2013 – Dec2015**

**.NET Developer Responsibilities:**

* Implemented the project using **ASP.NET**, Visual **C#** and back-end database as Microsoft SQL Server 2005.
* Implemented and maintained Git version control, ensuring version consistency and streamlined collaboration.
* Provide a mid-level contribution to a team responsible for the design, development and implementation of critical business enterprise applications using the .NET Framework 3.5/4.0/4.5 and Oracle 11g, **SQL** Server technologies.
* Designed and implemented **WSDL** and **XML** Schema definitions for **SOAP** services, ensuring standardized communication protocols.
* **ADO.NET** used extensively for database manipulations and connections.
* Managed release processes using **SVN,** coordinating the integration and deployment of code changes to ensure timely and successful software releases.

**Environment:** ASP.NET, Microsoft .NET Framework 3.0, TFS 2010, ADO.NET, AJAX, T-SQL, Oracle 9i, Windows XP, IIS 6.0, Cascading Style Sheets, C#, JavaScript, SSR.

**Educational Details**

**Bachelor of technology in Computer Science and Engineering June 2009-May 2013**

Koneru Lakshmaiah University