**SHRAVANI**

**.NET DEVELOPER**

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**PROFESSIONAL SUMMARY**

* Microsoft Professional with Eight (8+) years of professional experience in analysis, design, testing and implementing Object Oriented Programming Concepts (OOPS), client-server applications, N-tier applications, Web and Windows Services based applications, front-end components, database schemas, build and release pipelines and cloud-based distributed systems.

# Proficiency in C# (5 years), Azure cloud services (4 Years), API Development (4 Years), .NET (5 years), ASP.NET MVC (4 Years), WCF (4 Years), WebAPI (4 Years), LINQ, ADO.NET, SQL Server (4 Years), EntityFramework

* Hands-on UI experience in React JS (2.5 Years), HTML5, CSS3, Razor views, BladePHP and WPF/Silverlight (XAML, 3 Years). Also experienced in JavaScript, TypeScript, jQuery, AJAX and Twitter-Bootstrap
* Proficiency in developing backend web and windows API services using WCF (Windows Communication Foundation), WebAPI using SOAP, REST and GraphQL implementations.
* Proficiency in creating business/logic and data tiers in C# using EntityFramework ORM, Dapper, Code first and Database first approach for data layers.
* Proficiency in creating React components with styling, state-management using React-redux, routing using React-router and React StoryBook for material design management.
* Proficiency in creating unit and integration tests using MOQ, MSTest, xUnit and nUnit frameworks.
* Excellent experience with Agile scrum, Waterfall, Test-Driven Development (TDD) and Behavior-Driven Development (BDD) methodologies.
* Strong abilities in creating Database Design/Schema, Stored Procedures, Triggers, Views, Functions, Joins, SQL Queries, SSRS Packages in MS SQL Server.
* Involved in various Phases of Software Development Life Cycle (SDLC) i.e. Analysis, Design, Development, Implementation, Testing and API Documentation (using Confluence).
* Hands-on experience in Azure Cloud services such as PaaS, SaaS and IaaS. Ex: WebApps, WebJobs, Functions, SQLAzure, CosmosDB, Service Fabric, Docker and Kubernetes.
* Ability to draft ARM and Powershell templates to deploy resources to Azure and manage integrating with pipelines.
* Enhancing and deploying the SSIS Packages from development server to production server.
* Experienced with Microsoft Application building blocks for .Net projects (Data Access, Exception Handling, Caching and Configuration Management Application Blocks).
* Experience in handling bug fixing and testing code changes for new modules to ensure quality standards before releasing to the production environment and supported the Operations Team on a regular basis.
* Able to provide applications with good and intuitive interfaces
* A positive Team player with good learning curve there by coping up with new technologies.
* Hands-on experience in creating and maintaining build and release pipelines using Azure DevOps/Jenkins pipelines.
* Experience in implementing error handling, exception management, tracing and logging features and creating and using third party NuGet packages.
* Experience in GitHub, GitHubFlow, GitFlow build and deployment techniques.
* Excellent experience in reviewing pull requests of team members.
* Experience in requirements gathering, analysis, re-engineering, Software Configuration Management (Daily Build, Release and Testing methodology).
* Ability to perform at a high level, meet deadlines and adaptable to ever changing priorities.

**TECHNICAL SKILLS:**

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| **Languages** | C#, SQL, PL/SQL, PHP |
| **UI Scripting Languages** | React JS, Angular 2, JavaScript, TypeScript, AJAX |
| **Web Technologies** | API Development, Web API, HTML5, CSS3, XML, XAML, WCF, WMS, Web Services |
| **Database** | SQL Server 2012/2008/2005/2000, MS Access |
| **Application Tools** | VisualStudio2019/2017/2015/2012/2008 |
| **Middleware** | WCF, ADO.NET, Entity Framework 5.0/4.1, LINQ, Web services |
| **Versioning** | MS-Visual Source Safe, MS Team Foundation server |
| **Webserver** | IIS 8.0/7.0/6.0 |
| **DevOps** | Azure DevOps, CI/CD creation and management |
| **Azure Cloud** | IaaS, PaaS, SaaS, AppInsights, Functions, WebJobs, Service Fabrics, PowerShell modules |
| **Test frameworks** | MSTest, MOQ, nUnit, xUnit |

**EDUCATION SUMMERY:**

* **Bachelor of Engineering.**
* **Master’s in science, Computer Science -California University of Management and Science**

**WORK EXPERIENCE:**

**Client: Progressive Insurance, Cleveland, OH July 2019 – May 2021**

**Role: DOT NET Developer**

**Responsibilities:**

C# Engineer for creating and maintaining ecommerce-related applications and services. Project’s architecture consists of Presentation Layer (Web based – SPA), Business Layer and Backend (SQL server) which are Azure-based cloud server apps.

* Create web applications using C# and ASP.NET Core framework.
* Create and maintain UI/UX wireframes using ReactJS components and a StoryBook for maintaining company-wide material design.
* Create and maintain Azure cloud-based services such as WebJobs, WebApps, Azure Functions, SQLAzure databases.
* Setup Continuous Integration builds and Continuous Deployment pipelines in Azure DevOps and Jenkins.
* Executed effective processes for continuous development of Agile projects for various products.
* Assisted Scrum master in creating user stories and technical and functional documentation required for analysis.
* Migrating and transforming data from different disparate sources using ETL based cloud applications.
* Document design and architecture of APIs developed on Confluence.
* Implement agile scrum methodology in application development.
* Created Business Logic Layer & Data Access Layers to implement the MVC architecture.
* Works for the state specific coverages and packages
* Used different Bill plan tool to run policies.
* Worked for different products like Auto, Special lines, Commercial lines.
* Also grouping of all features in particular state if the state has state specific change in the rate and model changes.
* Provides support for the system testing, acceptance testing to elevate the project.
* Works for the different coverage’s available in the state.
* Liaised with production team to analyze bugs and resolve issues.
* Worked with Oracle databases and designed stored procedures.
* Developed enhancements to enterprise financial planning Web-based .NET application for leading
* Able to define process and user interfaces, process automation, code generation and process re-engineering
* Ability to understand and follow the system design and architecture
* Implemented Routing, Security, Action Filter techniques for application development in ASP.NET applications.
* Created xUnit based Unit and Integration test cases for web modules developed using MOQ framework-based data.
* Migrated the existing Database schemas to newer normalized and clean architecture to meet the new requirements.
* Implemented scheduler jobs using Azure WebJobs and Azure functions.
* Entity Framework ORM & Dapper for LINQ to SQL and LINQ to Objects with ASP.NET, worked with the database using both code-first and database-first approach
* Handled Run Time Errors & Design Time Errors by implementing appropriate Error handlers in C#.NET.
* Involved in Requirements gathering, Active Directory, Conceptual Design, Analysis, and Detail design, Development and System Testing.
* Run the unit and integration tests on every new version before sending it for User Acceptance Test (UAT).
* Responsible setting up CI/CD Azure DevOps pipelines for deployment to Azure WebApps using GitFlow and GitHubFlow pull request management techniques.
* Integrate ARM templates for deployments with release pipelines for WebAPI deployment on Azure WebRole.

**Environment:** C#, Azure AZ PowerShell, Web and WCF APIs, .NET Core, ASP.NET Core, ASP.NET MVC, React JS, Active Directory, LINQ, SQL Server 2012, JavaScript, TypeScript, BitBucket, TFS, IIS, TDD, Azure DevOps, xUnit, Agile Methodology.

**Client: Ford Motors, Southfield, MI March 2018- May2019**

**Role: Dot NET Developer**

**Responsibilities:**

* Used BladePHP, React JS, HTML5, CSS3 and Twitter-Bootstrap library to provide rich interactive and responsive UI.
* Migrated legacy PHP user interface to React JS component-based rich user interface, including redux state management and routing.
* Used Laravel MVC framework for creating web applications which 3-tier components development in PHP, using PHPStorm.
* Created database entities using Code-first migration techniques using Eloquent ORM
* Created docker scripts for app containerization and deployment of web apps to apache server.
* Implement agile scrum methodology in application development using Kanban boards.
* Involved in Code Review to improve application performance.
* Implemented efficient Exception Handling mechanism.
* Unit testing and Bug fixing across all the pages of the application.
* Extensively involved in the creation of UI Controls and reusable components.
* Troubleshot and resolved bugs in PHP applications to ensure optimal development environment.
* Implemented CRON jobs to execute data and other ETL like processes for data migration.
* Involved in development of Web Forms, Classes using C#.NET that incorporates both MVC architecture and database connectivity.
* Worked on different aspects of .NET framework, like ASP.NET MVC 5.0, ADO.NET and C#.
* Involved in designing of User Interface with CSS and HTML.
* Developed presentation layer using server-controls, HTML controls and user and custom controls.
* Used jQuery AJAX calls to trade data with a web server, without reloading the page.
* ADO.NET was used to connect to the data bases in a disconnected oriented architecture.
* Created event driven Web Forms using ASP.NET MVC and implemented form validation.
* Used Angular JS extensively for improving the performance of web pages.
* Involved in writing configurations of the project. Configurations were done in Web.Config file which is a XML file.

**Environment:** .NET Framework 4.0, PHP, LaravelPHP, BladePHP, React.JS, HTML5, CSS3, PostGreSQL, Docker, OOP, OOD, BitBucket, PHPStorm, ASP.NET MVC 5.0, WEB API 2.0, C#, ADO.NET, HTML, JQuery, HTML, DHTML, UML, Bootstrap.

**Client: Santander, Dorchester, MA Sep 2016 - Jan 2018**

**Role: Dot Net Developer.**

**Responsibilities:**

* Developed WCF backend-service APIs to enable effective data communication between Third party Services. Utilize the various bindings, contracts and behaviors to meet the messaging and transportation requirements of the client API.
* Created complex stored procedures, functions, views, SQL Triggers, cursors and reports that involves accessing a huge dataset, based on CTEs and recursive queries.
* Generated and maintained SSRS reports using appropriate authentication and authorization techniques.
* Created multithreaded WPF desktop applications utilizing Microsoft’s sample practices, Prism based modular architecture.
* Maintained and enhanced HTML5, CSS3, ASP.NET Razor view-based web applications.
* Introduced and promoted use of SPA-based web apps using Angular NgModules for rich SPA-UI, using components-based architecture, including RxJS for state management.
* Created C# .NET based Business Logic to implement MVC / MVVM and EntityFramework / ADO.NET based Data Access layers.
* Utilized C# .NET based design patterns, generics, collections and other advanced language and OOP features to create clean code and encouraged the adaptation of the same across the team.
* Executed effective processes for continuous software development and delivery using user stories, sprint demos as part of Agile methodology for various clients, also incorporated Test Driven and Behavior Driven development as part of the same.
* Assisted Scrum master in creating user stories and technical and functional documentation required for analysis.
* Implemented Token, Credentials and Certificate based authentication and authorization techniques to secure the WCF and WebAPI backend services, this included the adaption of OAuth, OpenID and Passport authentication standards across different services.
* Created unit tests using nUnit for controllers, business logic and MVVM commands and patterns with the help of MOQ.
* Created ServiceBus oriented queues to enable messaging between WCF APIs.
* Created Integration tests using nUnit for asserting and confirming the working of different layers of the applications.
* Create Azure based powershell modules for WCF based WorkerRole deployments.
* Handled Run Time Errors & Design Time Errors by implementing appropriate Error handlers using C#.Net.
* Responsible for deployment of the Application in production and resolving any post-deployment issues.
* Provided estimates, daily & weekly status report to the client on progress of the tasks with the help of Sprint demos and feedback.

**Environment:** C#, NET Framework > 3, ASP.NET 4.0, ASP.NET MVC, Azure PowerShell modules, Razor Views, Angular 2, WCF Services, LINQ, SQL Server 2012, PL/SQL, T-SQL, JavaScript/jQuery, TFS, IIS, TDD, BDD.

**Client: Terabyte’s InfoTech, Mumbai August 2012 – Jul 2015**

**Role: Software Engineer**

**Responsibilities:**

* Participated in Design reviews, Architecture reviews, Code Reviews and discussed solutions to the business problems.
* Developed Web based applications using agile methodologies.
* Managed NUnit test cases using the NUnit framework and followed Test Driven Development (TDD) to develop the Web applications.
* Developed applications with web based 3’tier application architecture.
* Utilized Ajax and jQuery to make applications load faster and some of the processing can be done in web browsers and not only the client site but the server-side execution is also faster.
* C# MVC/MVVM middleware, to implement n-tier architecture and database connectivity using EntityFramework/ADO.NET.
* Created SQL Server database entities, stored procedures, views and functions for easy data access and SSRS reports generations.
* Championed Agile - based development approach by taking part in scrum meetings for detailing user stories and story points.
* Utilized Test-Driven and Behavior-Driven Development strategies alongside scrum to encapsulate testing and user-behavior in tandem with development effort.
* Implemented SMTP based emailing and authentication on C# middleware.
* Created MSTest based unit and integration tests to perform controllers and middleware-logic testing.
* Documented API endpoints and their purpose using Microsoft Visio.
* Created Visual Studio based performance and load test for web-applications.
* Created Coded UI automation scripts for regression-based test cases, configured automation test-suite with Microsoft Test Manager.
* Responsible for Visual Studio based package deployments.
* Experienced in SQL Server Database Design, Data Model Design, Database Maintenance, T-SQL Queries, Triggers, Stored Procedures using SQL Server SSRS
* Built an ASP.NET application authentication using .NET Framework, Model View Controller MVC and IIS security model.

**Environment:** C# 3.5/4.0, ASP.NET 3.5/4.0, Visual Studio 2010/2008, ADO.NET, HTML, WCF, DHTML, XML, XSL, XSD, SOAP, Web Services, SQL Server 2008, TFS, CSS, AJAX, MS Visio.