**Harinder Singh**

**SUMMARY:**

* **6+ Years** of IT experience in **Analysis, Design, Development, Implementation** and **Testing**of **Web Based, Client - Server and N-tier Architectures.**
* Designed and developed the user interface, the cost benefit analysis summaries module & the printing modules of application using **JavaScript, HTML/HTML5 AND CSS/CSS3, Bootstrap** that helped store operators to execute sales orders more efficiently.
* Proficiency in software Development life cycle **(SDLC** and **AGILE)** methodologies of development process such as requirement analysis & definition, designing, coding, testing and implementation.
* Implemented **Web services, SOAP, WSDL**, Database design, object-oriented Architecture, **XML, HTML, DHTML, and XSD**.
* Experience in **.NET Framework 4.7/4.6/4.0/3.5/3.0 with WCF, .NET Core 2.0/2.2/3.0, Entity framework4/5/6, EF Core and LINQ.**
* Experience with **Angular, React, Keno UI**and **Knockout JS** and worked extensively on the UI side.
* Proficient in **Object Oriented Design/Development, Object Oriented Analysis and Design (OOAD), Model View Control (MVC) design pattern, Model-View-View Model (MVVM) design Pattern, Team Foundation Server (TFS)**and**Test-Driven Development (TDD).**
* Implemented **Windows Presentation Foundation (WPF)** with hands on Experience on using SQLite.
* Developed core functionality with the **ASP.NET MVC5** Framework.
* Expertise in using **ADO.NET** object such as **connection Object, Command Object, Data Reader Object, Dataset Object and Data Adapter Object**.
* Implemented web programming with hands on experience on using **Custom Controls, Master pages, themes, and Validation controls.**
* Experience in using **ASP.NET,** framework for quickly creating efficient and interactive web application that work across all popular browsers. performed **End-to-End testing, Ad-Hoc testing, Integration testing** and **User Acceptance Testing**.
* Expert level Experience in **SQL server 2014/2012/2008/2005**, Tables, user Defined functions, Stored Procedures, Cursors and Triggers.
* Performed **N- Unit Testing** for the piecewise testing of the Applications.
* Good knowledge and working experience in **Hadoop**Distributed File System (HDFS), **Hadoop Big Data (Microsoft HDInsight), MapReduce (C#).**
* Responsible for testing, fixing the bugs and troubleshooting the technical problems.
* Deployed applications into test and production environments by using web server (HS).
* Knowledge of VSTO in generating reports in MS- Word and MS-Excel.
* Generated Reports with **Tableau, SQL Server Reporting services (SSRS).**
* Excellent analytical and interpersonal skills, Quick learner, and good performer both in team and independent job environments. Proficient at grasping new concepts, applications and technologies quickly, and utilizing the same in a productive manner.

**TECHNICAL SKILLS:**

**Operating System:**DOS, Windows, Mac, Linux, UNIX

**.NET Technologies:**ASP.NET, COM+, ADO.NET, XML web Services, Win Forms, Windows Services, Web Form, ASP.NET MVC, EF, .NET Core, EF Core, Asp.NET MC Core, LINQ, WCF, WPF and Web API

**Databases:**SQL Server 2008/2012/2014, Oracle 9i/10g/1g/12c, T-SQL

**ORM:**Entity Framework, N Hibernate

**Webservers:**Internet Information Server 7.5/8.5 (IIS)

**IDE:**Visual Studio.NET (2019,2017, 2012, 2010), Sublime, VS Code, UML, Visio, web-storm.

**Database Programming:**Stored Procedures, Views, Functions and Triggers, Cursors in SQLServer, Oracle (PL/SQL)

**Reporting Tools:**SQL Server Reporting Services and Tableau

**Methodologies:**Client/Server Architecture, N-tier application architecture, OOA, Prototyping, Process Models, Systems Integration, SOA

**Markup Languages:**DHTML, HTML, XHTML, XML, XSL, XSLT, X-Path, CSS, JavaScript, JQuery, Angular, React and Knockout JS.

**Version Control Tools:**Visual Source Safe (VSS), Team foundation Server (TFS), GIT, GitHub and SVN

**DentaQuest, Boston, MA Aug 2020 - Present**

**.NET Full Stack Developer**

**Responsibilities:**

* Involved in the complete **Software Development Life Cycle (SDLC)** including Analysis, Design, Implementation, Testing and Maintenance with **Agile Methodology**.
* Created a Supervisor **roles**, which has access to tools to assign the routes schedule.
* Designed and developed **Entity Framework 2.0 Code-First approach** with Repository-Pattern based backend and used **RESTful** and **Web API** as transaction and communication technology to the client-side.
* Design, build, and maintain efficient, reusable, and reliable code.
* Developed **ASP.NET Core Web API** based on departmental requirements and specifications.
* Worked with advanced concepts of **ASP.NET Core MVC** such as **Models** and **Providers**, **Filters** used for developing backend technology.
* Implemented **authorization**, **authentication**, and extensive **exception handling**.
* Implemented convention-based **CRUD** actions like **GET**, **POST**, **PUT** and **DELETE**.
* Designed and created **models**, **components**, **modules**, and **services** to apply client-side logic and **dependency injection** using **Angular 2**.
* Implemented Client-side validation using **Angular 2** Custom Form Validation with **ng-show** and **ng-hide**.
* Developed the front-end of the web application using **Angular 2**, **HTML5**, **CSS3**, **AJAX**, **Bootstrap3/2** and **jQuery 5.0/4.1**.
* Implemented **LINQ Query** operations like **Grouping**, **Ordering** and **Filtering** operations to access database for search of routes, drivers and packages.
* Developed various **Stored Procedures** for the data retrieval from the database and generated different types of reports using **SQL Reporting services (SSRS)**.
* Implemented **JWT Token** based authentication to secure the **ASP.NET Core Web API**and provide authorization to different users.

**Technology Stack:**C#, ASP.NET Core 2.0, ASP.NET Core WEB API, Entity Framework Core 2.0, Angular 2, Bootstrap 3.3.7, jQuery, JavaScript, HTML, JWT Token, GIT, Azure, Visual Studio 2015, SQL Server 2014/2012, SSIS, SSRS, IIS 7.0, Microsoft Visio 2012

**MTA, New York, NY Jan 2019 – Aug 2020**

**.NET/UI Developer (Angular)**

**Responsibilities:**

* Working in **Agile Methodologies** for rapid development and regular adaption to the varying requirements and continuous delivery of the working software.
* Involved in writing the front-end code for the application using Angular 7.
* Prototype **Microservices**sample that demonstrated the use of Azure API management
* Prototype concept using **ASP.NET core** and EF7 model first to replace current Access apps.
* Development, enhance, create process (to automate inbound and outbound data flow of Fund excel files) on .NET Framework 4.5.
* Used the **Node Package Manager (NPM)** to install libraries like angular-cli, typescript etc., which are required for developing an angular application in Node.
* Designed and developed the **Presentation layer** using Angular 7 and Angular Material.
* Design and develop Web Applications using **ASP.NET MVC 5** and **C#** that are used by internal users.
* Updated the application with new features of **Angular 7.**
* Worked on some of the new features of **Angular 7** like new if else syntax, **ng-templates, form validators, Router etc.**
* Used TFS for code check in and versioning.
* Extensively involved in coding with **Angular and java script** to add functionalities and effects like Accordion, Infinite Scroll bar, Slider bar, Draggle/Droppable, Resizable, Progress bar
* Created the design documents using **Swagger Editor** to allow an understanding of the product from both a technical and non-technical standpoint.
* Created client app using **Api controller** to consume the RESTful web service.
* Expertise on MVC frameworks like **Angular for creating Single-Page Applications (SPA)**using concepts like Dependency Injection, Promises, Services, Scope, Controllers and Directives.
* Implemented to making browser compatibility and **mobile friendly using Bootstrap Library**.
* Developed application using ASP.NET Core along with a Service Oriented Architecture (SOA).
* Build and deployed ASP.NET Core application to **Azure Cloud Service.**
* Implemented **.Net Security** features of **Authentication and Authorization**.
* Developed features for customer facing website using **C#, ASP.NET MVC 4/5, CSHTML, Html Helpers, JavaScript, KnockoutJs, Kendo UI, AJAX, Bootstrap**, **CSS**, **LINQ**, **Entity Framework**, **WCF**, **SQL Server**.
* Developed MVC **Razor views**, **partial views**, **layout pages,** complex **Controllers**, helper methods, View Models.
* Worked with **Kendo UI for Asp.Net MVC application** for developing a dashboard which contains the all the data including internet packages, plans, offers, and price for each internet package.
* Worked with**XSLT**for transforming the**XML document**to other format, and data change/updates**.**
* Developed new user interface components for different modules using**Kendo UI with various controls including Grid controls, and chart controls etc.**
* Created various stored procedures for the data retrieval from the database and generating different types of reports using SQL reporting services (SSRS).
* **Used various report items like charts, Excel type, Barcode reports etc.**to develop the reports in**Telerik**andembedded these reports into our application**.**
* **Experience working with Telerik reporting tool for performing the export and import functionalities in various formats like CSV, PDF, or Excel Spread sheets etc.**
* Created SSIS packages and migrated data between different databases.
* Experience in **IIS**.

**ENVIRONMENT:** NET core 2.2/3.0, ASP.NET core 2.2/3.0, Visual Studio 2019, .Net framework 4.7, MVC 5.0, C#, Angular 7.0, Bootstrap, SVN, Karma, Protractor, NUNIT, HTML5, CSS3, SharePoint, **Telerik Reporting**, Log4Net, NuGet Packages.

**Wells Fargo & Company, Charlotte, NC Nov 2017 – Dec 2018**

**Full stack .Net Developer**

**Responsibilities:**

* Involved in development of application and enhancement of existing applications to provide additional functionality.
* Developed web forms in **ASP.NET**using **C#.NET, AJAX** controls,**HTML** and **Java scripts.**
* Used boot strap, implemented a responsive web design. After the initial page load, application executed all data transaction with the server though **MVC 5**, no additional full-page loads were initiated. Implementing client-side data binding.
* Extensively worked on developing applications using **Azure.**
* Using **SOAP** services for requesting information from end points.
* Used nugget package manager to produce and consume several **nuget packages** which are used in several applications.
* Used**XSLT** to convert one**XML** document to other **XML** document like PDF, **HTML** for web pages.
* Created **knockout.js**widget subsystem within a .NET dash dashboard using typescript and inheritance. Widgets needed to react to page controls changing to refresh data and browser resizing to change styling for responsiveness.
* Worked on both **WPF and WCF** application to develop new application as well as maintained an existing application and provided customer support.
* • Developed **MVC model for WPF** for the functional requirement phase. Worked on WPF in creating instances of controls and in subscribing to events. Deployed WPF features such as animation and story boards and used Caching to increase **Web services** performance.
* Developed the presentation layer using **WPF**and Silverlight
* Used **MS Dynamics** CRM 2016 Customization tools to customize system components such as forms, views, attributes, relationships, and entity mappings.
* Import and export data within **MS Excel** and **MS Dynamics**CRM.
* Extending Microsoft Dynamics CRM Functionality through the SDK
* Leveraged **Angular JS** for scripting, AJAX calls, JSON and XML for passing objects from Controller to View and vice versa.
* Created Directives, Services, and Filters using **Angular JS** with Typescript.
* Worked on Web Service calling using JQuery and **Angular JS** for Synchronous and Asynchronous **AJAX** calls in **HTML5**web pages.
* Worked with my team member to add mobile support using **jQuery Mobile and Knockout.js**
* Created and optimized views for user interactions using objects**of HTML Helper class, Custom Helpers and Angular JavaScript, knockout JavaScript /jQuery.**
* Extensive analyzing data using MS excel, Pivot tables & charts.
* Used service-oriented architecture to develop web services.
* Written complex**SQL** scripts, views in management studio.
* Involved in the high-level design of the **Hadoop** architecture for the existing **data structure** and Business process
* End to end Automation using **Powershell**for User Account & Mailboxes
* Involved in Load data and testing using **Microsoft Application Center Test (ACT) and Microsoft Web application Stress tool**to stress test web servers and analyze performance and scalability problems in Application
* Assisted with automation of finance department’s manual processes by using macro’s and formulas to speed processes and maximize accuracy.
* Used list, **Trees**, **Tool bar**, Menu is for navigating between pages in windows presentation foundation.
* Worked with **SOAP** for exchanging information.
* Monitored via remotely run scripts **Ambari, Azure Data Factory and Blobs.**
* Azure Storage development and design utilizing Blobs, Pages, Queues, Tables and VM's.
* Library work involved designing classes to programmatic control of Azure.
* Experience with **Microsoft Azure** Services like **IaaS and PaaS.**
* Converted .Net application to Microsoft **Azure Cloud Service Project** as part of cloud deployment.
* Migrated SQL Server 2008 database to Windows **Azure** SQL Database and updating the Connection Strings based on this
* Maintained existing cloud environment using **Microsoft Azure**.
* Implemented application business logic in **C#** with **MVC**design pattern to increase unit tests support.
* Involved in testing like Unit test, Integration test, Acceptance test and Regression testing using **NUnit** and responsible for writing test scripts and scenarios.
* Developed **test-driven development (TDD)**strategy guiding use of the Nunit unit testing framework.
* Performed **End-to-End testing, Ad-Hoc testing, Integration testing** and **User Acceptance Testing**.
* Responsible for testing, fixing the bugs and troubleshooting the technical problems
* Performed Extensive logging and error handling in **C#.**
* Used **C#** to develop code business and repository layer.
* Worked with **SQL SERVER REPORTING SERVICES (SSRS)** for Reporting.
* Used team foundation server as source control and resolved **QA** bugs for front end and back end application.

**Environment:** Visual Studio 2017, Azure, ASP.NET MVC 5, .NET Framework 4.6, C#, SOAP, WCF, SQL Server 2012, Web Services, IIS8.5, JavaScript, knockout.js, Bootstrap, LINQ, HTML5, CSS3

**Geico, Chavy Chase, MD Jan 2016 – Oct 2017**

**.Net Developer**

**Responsibilities:**

* Worked on designing and developing web applications using the concepts of **C#, C++, ASP.NET, ADO.NET, Xamarin. IOS and Xamarin Android App development, ASP.Net Core 1.0, EF, MSBI, Asp.Net MVC, Angular, HTML5, CSS3, JavaScript, jQuery, AJAX, WebAPI 2, Dell Boomi, SQL Server** along with **Entity Framework** and **IIS 7**.
* Designed and Developed C++ Client and server plugins code for Adobe InDesign, InCopy 2017 Versions for MAC.
* Valuable coding and debugging experience with the C++ legacy C++ applications.
* Worked on the MSBI SSAS, SSRS and SSIS.
* Worked on JIRA and Spira setup for the team dashboards for assigning and evaluating the status in daily standup.
* Hosted applications on cloud platforms, **Boomi**, and Integrated Dell Boomi hosted services across the enterprise solutions.
* Integrated Dotnet applications for CB- Continuous build and CD- Continuous deployments using **Dell BOOMI**
* Used **Razor View Engine** for light weight coding and designs.
* Used **HTML Helpers** to bind the model objects to HTML elements.
* Designed the layout pages using **HTML5** and **CSS3**for elegant user interface.
* Used **Bootstrap**for creating grid controls along with modal pop ups.
* Used **JavaScript, AJAX** and **jQuery** to design the functionality of the developed view.
* Worked on providing the authentication and authorization through **Data Annotations** for the eligible users and admins using **jQuery**.
* Extensive use of Telerik controls and kendo libraries using kendo Grid, kendo Tree, a to complete dropdowns and other UI elements.
* Created session variables using **HTTP Handlers** to define the session timeout properties.
* Used **Entity Framework** to model and manage data on **WebAPI 2**.
* Hosted the web applications through **Internet Information Services (IIS)**on the local servers.
* Worked on Amazon Web Services (**AWS**) to host the project on to the cloud server.
* Created reports using SQL Server Reporting Services (**SSRS**) for the individual and group accounts.
* Created **Stored Procedures, Views** to create and alter the data in the existing database.
* Altered **Functions** by using **Indexes** for better performance and time of execution.
* Involved in **Bug fixing** which helped in enhancing the quality of the project.
* Worked with **TFS**,**SVN, SourceTree, Bit Bucket, and GIT** for collaborating with team for code review, check-in, code sharing, and auto-deployments build scripts for CI and CD.
* Experience with DevOps operations using SonarQube and Jenkins Build script for checking and meeting code quality guidelines.
* Worked with **Agile/Scrum**Environment to meet the timelines and interaction with the team and scrum of scrum calls to analyze the burn down charts and other statistics with PO.
* Involved in testing for solving the bugs in individual modules of the project.
* Involved in preparing System Test Cases, Documentation and Debugging with the peer developers for assisting them when needed.
* Worked on One CMS and SharePoint as an admin.

**Environment:** C#, ASP.NET MVC, Entity Framework, WebAPI, HTML5, CSS3, Bootstrap, JavaScript, jQuery, AJAX, IIS, MS SQL Server 2014, SSRS, MS Visual Studio 2015, AWS, SQL Server Management Studio, TFS.

**KnoahSoft, Hyderabad, India June 2014 – Dec 2015**

**.NET developer**

**Responsibilities:**

* Collaborated with product managers and software engineers to provide guidelines for solid UI designs.
* Created and maintained UI prototypes and specifications.
* Designed and developed web services using **C#, ADO.NET and XML** to handle online transactions with central database which reduces the time required performing data entry and for reporting.
* Created service-oriented architecture **(SOA)** based solutions using**SOAP** messaging framework.
* Validated user inputs in web forms by using validators like compare validator, required field validator, range validator, regular expression validator etc.
* Written configuration setting in web Configuration files.
* Used **ADO.NET** to access **SQL** server database.
* Involved in conversation of existing intranet ASP application to **ASP.NET** application.
* Translated market and product requirements into UI designs in the form of conceptual model and prototypes.
* Implemented data access layers, business entities, business logic layer and services access layer using**WCF** and **LINQ.**
* Involved in creating models, view models and **DAL** using entity framework.
* Implemented remote validation using java script.
* Optimized **WCF** services and developed call back methods in class library project to communicate with different layers of solution.
* Designed**MVC design pattern for ASP.NET application development using the ASP.NET, MVC** framework.
* Worked on designing and coding (WCF) service contracts, data contracts, operation contracts.
* Used **LINQ** to objects and LINQ to entities to query data models.
* Developed **HTML, AJAX, CSS, XML, Java scripts** layouts.
* Designed the user interface using web server controls which are built on ASP.NET and server controls.
* Implemented role-based security for user group.
* Developed business logic components using web service **WSDL** and implemented**SOAP** for communication of application.
* Involved in the design of the system architecture using**UML**to develop class diagrams and use case diagrams.
* Developed a demo version of the product to solicit and in corporate feedback into design.
* Worked on **ADO.NET** components data reader, data adapter, data set and data view to provide connection to the database in SQL server.
* Involved in writing **SQL**commands using stored procedures, triggers, views.
* Implemented and wrote client-side scripts using java script, business logic, look up list for data table in C#.

**Environment:** Visual Studio 2012, ASP.NET 4.5.1, MVC, ADO.NET, XML, HTML, JavaScript, IIS 7.5, SSRS, SOAP, WCF, .NET Framework 4.5.1, SOA, Web services, SQL Server 2008, T-SQL, DHTML, Windows Server 2008/2012.