**Avinash**



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Professional Summary

* **MICROSOFT CERTIFIED PROFESSIONAL** with 8+ years of programming experience as a .NET Developer in Analysis, Design and Implementation of Business Applications using Microsoft .NET Technologies.
* Experience in all the phases of **Software Development Life Cycle (SDLC)** such as requirement gathering, analysing, designing, building (coding), testing, maintenance and documentation of software products following **Agile/Scrum, Test Driven Development** and **Waterfall** methodologies.
* Extensive expertise in Client Server, Web-based, Windows based and Multi -Tier applications using .Net technologies **C#, VB.NET, Web services, Serialization, Multi-Threading, XML,MVC, WCF, WPF, .NET Framework 4.5/4.0/3.5/3.0.**
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using **HTML 5, DHTML, CSS 3, JavaScript, JQuery, JSON, AJAX, Angular JS, Bootstrap** and **XML** with cross browser compatibility.
* Sound knowledge of **Object Oriented Principles** and design practices involving **object modeling, use cases, activity diagrams** andmany more diagrams in **UML** and **Microsoft Visio.** Involved in documenting **Business Requirement Document (BRD)** for various projects.
* Proficient in creating **Web Forms, Win Forms, Custom lists** and **Master Pages** using different **server controls, user controls** and **custom controls** in **Visual Studio** using **ASP.NET** and **C#.Net** to improve features and Look and Feel of the websites.
* Proficient in designing and implementing database layers using **LINQ, ADO.NET,** and **Entity Framework** (Microsoft **ORM tool** to create object Model)to connect the application to **SQL** database and perform queries.
* Sound knowledge on Design Patterns. Extensively involved in utilizing **MVC framework** to develop web applications.
* Implemented different **web services** like **ASMX, WCF** and **Restful Services (WEBAPI by Microsoft).**
* Experience in deploying different web applications on Web Server– **IIS 8.0/7.5/7.0/6.0 and** also deployed websites and web applications using cloud platforms like **Microsoft Azure** and **Amazon Web Services.**
* Good analytic and conceptual skills in database related work primarily creating complex **stored procedure, Views, Triggers, Cursors** and **Functions** using **SQL,** **PL/SQL, TSQL** with databases like **MS SQL Server 2012/2008/2005 & Oracle 11g/10g/9i** ,**MongoDB,** and **MYSQL.**
* Hands on experience in **Version control tools** like MS Visual Source Safe **(VSS**), **TFS,** Subversion **(SVN**), **GitHub** and **JIRA.**
* Experience in writing Unit tests cases and performing unit testing in development phase using **JUNIT** and **NUNIT** and did respective documentation.
* Extensive experience in developing reports using **Crystal Reports, MS Access reports** and **SQL Server Reporting Services (SSRS).**
* Experience in **UI** design with a strong background working with wire frames.
* Excellent knowledge of customer focused IT delivery methods and strong de-bugging and documentation skills.

Technical Skills

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| **Programming Languages** | C#, VB.Net, ASP .Net, SQL, PL/SQL,C ,XML, HTML, XHTML, JAVA |
| **Web Technologies** | ASP.NET, MVC 5/4.5/4.0/3.0,AJAX, Bootstrap, CSS3, Web Services, Restful Services, LINQ, WCF, WPF |
| **Development Tools** | Visual Studio 2015/2013/2012/2010/2008 and Visual Basic 6.0 |
| **.Net Frameworks** | Framework 4.5/4.0/3.5/3.0 and 2.0. |
| **Middleware** | ADO.Net, Entity Framework, ActiveX, DLL |
| **Protocols** | SOAP, SSL, FTP, TCP/IP, HTTP |
| **Operating Systems** | Windows 2003 server, XP/2000/Vista and Windows 7/8/8.1/10 |
| **Web/Application Servers** | Internet Information Server (IIS) - 8.0/7.5/7.0/6.0, Tomcat Server |
| **Scripting Languages** | Java Script, JQuery, JSON and Angular JS |
| **Databases** | SQL Server 2012, 2008, 2005(T-SQL, Stored procedures, Triggers, DML, DDL, DTS) and 2008, Oracle 11g/10g/9i, MongoDB, MS Access |
| **Reporting Services** | Crystal Reports, SSRS, SSIS,MS Access Reports |

Certification

* **Microsoft Certified Professional**
* **MCSD: Web Applications (Microsoft Certified Solution Developer)**
  + Programing on HTML5, Java Script and CSS.
  + Developing ASP.NET, MVC Web Applications.
  + Developing Microsoft Azure & Web Services.
* **MS: in Visual Studio (Microsoft Specialist)**
  + Programing in HTML5, Java Script and CSS.
* **MTA: Web Development Fundamentals (Microsoft Technology Associate)**
  + Basic Web Development Fundamentals.
* **MOS: Office (Microsoft Office Specialist)**
  + Office Word 2010.
  + Office PowerPoint 2010.

Work Experience

**World Bank, Washington DC**

**Duration: March 2018 – Present**

**Role: Sr. Net Developer**

**Responsibilities:**

* Efficiently utilized **Angular JS** **Controllers**, **modules** and **models** to control manage and bind the data in the application respectively.
* Ran automation test cases by using **Selenium Web driver** in various browsers including Internet Explorer, Chrome.
* Extensively consumed WEBAPI services in the Application
* Optimised the code, commented unused code and Cashed Images in IIS to improve the performance during the initial page load.
* Analyzed all possible test cases on the application
* Utilized the **TFS** source control software to keep track of new and past versions of code written in my application.
* Analyzed the performance of application and finding the process that taking more time and changed their logic accordingly to make it quick.
* Performed code review on the project.

**Environment: .**Net Framework 4.5, C#.Net, Visual Studio 2013, ASP.NET MVC, JQuery, Web API, Angular JS, TFS 15.7, Selenium Web Driver 3.12.

**Technicolor, Lawrenceville, GA**

**Duration: September 2016 – February 2018**

**Role: Sr .Net Developer**

**Responsibilities:**

* Analysing business requirements, making the changes more flexible for the user in an **Agile** development environment with a quick turnaround time and iterative builds.
* Utilized the **TFS** source control software to keep track of new and past versions of code written in my application.
* Used ASP.NET Master Pages, JQuery, utilizing Server Controls, User Controls, Data Grid Controls, Form Validation controls, Custom controls.
* Extensively used **ADO.NET** to access database object tables, stored procedures.
* Developed **Stored Procedures** in SQL Server 2012 to access and update the database.
* Wrote many test cases, created test suites for integration, regression and system testing in **Quality Centre** and executed them.
* Used **JQuery** to validate user controls and web forms.
* Extensively used **Web API** to get the data in different MIME formats like Xml which was in encrypted format.
* Worked with DB team, QA team, Business Analysts and users to analyse and implement the requirements efficiently.
* Utilized **C#.Net and JQuery** for updating parts of a web page and improve the flexibility of webpage.
* FileZilla, for UAT Support.
* Analysed **test results** and sent reports to the team about defects status and failure rate of test cases.
* Gathered business requirements and wrote Logical Design Document that is loaded with use cases and wire frames.

**Environment: .**Net Framework 4, C#.Net, Visual Studio 2013, ASP.NET, JQuery, Web API, HTML 5, IIS 8.0, SQL Server 2012, TFS 12.0.

**Sterling bank, Houston, TX**

**Duration: August 2015 – September 2016**

**Role: Sr .Net Developer**

**Responsibilities:**

* Analysing business requirements, story-boards and similar artifacts of the scrum process, work in an **agile** development environment with a quick turnaround time and iterative builds.
* Involved in initial phases of design, analysis and elicitation of requirements
* Developed the web application utilizing **ASP.NET MVC**, **HTML 5**, **AJAX toolkit**, **CSS3**, and **Bootstrap** which provides performance data visualization to users.
* Developed **REST- API** based web service to consume data by client. Implemented provider based services.
* Implementing the data access layer using **Entity Framework Code First** approach and writing queries using **LINQ** to Entity for data retrieval.
* Extensively used ASP.NET Ajax Controls like **Script Manager**, **Update Panels** and **Updated Triggers** to make the page more responsive and interactive to the users.
* Created Login Forms and implemented Form-based Authentication to authenticate the users.
* Responsible for migrating legacy .Net Web services to **Asp.Net Web API.**
* Created **forms** including input fields and buttons in Angular JS applications and validated them using **Angular JS validations** instead of HTML inbuilt validations.
* Implemented different filters provided in **Angular JS** like currency, json, lowercase, uppercase, orderBy to format the numbers, strings and objects of application.
* Implemented external **controllers** for the **angular JS** applications to make the code simpler.
* Added **Telerik** Controls on different web forms with the help of **ASP.NET AJAX** configuration as prerequisite and used them like other server controls.
* Implemented the modern UI using **Kendo UI** which is a JavaScript framework for developing rich widgets, features on a webpage with great performance.
* Developed WCF services using with WEBAPI to get and post data using Http protocol. **Web API** adds more functionality to WCF web services.
* Extensively used web services like **Web API** to get and post data http Data in different MIME formats like Xml, JSON, Pdf etc.,
* Used **GIT Hub** for Version Control, Project Management, Data Collection and Reporting.
* Implemented bug tracking, code integrity and task management using the distributed version control system of **GitHub**.
* Performed Unit testing using **NUnit** framework.
* Published the ASP.NET applications to **Windows Azure** cloud platform and integrated the database to get azure SQL database
* Deployed new applications and also existing applications on **Azure** to maintain it on virtual machine which improved the way of maintenance and backup
* Developed **Stored Procedures**, **Triggers**, and **Views** in PL/SQL for SQL Server 2012 to access and update the database.

**Environment: .**Net Framework 4.5, C#.Net, MVC 5.0, Visual Studio 2013, ASP. NET, JavaScript, Web API, AJAX, HTML 5, Angular JS, IIS 8.0, SQL Server 2012, SSIS, SSAS, SSRS, GitHub, Telerik Kendo UI, Microsoft Azure, LINQ

**United Health Group, Golden Valley, MN**

**Duration**: **November 2014– July 2015**

**Role: Sr .Net Developer**

**Responsibilities:**

* Involved in identifying business requirement by gathering, analysis and design and developing using ASP.NET front end technology.
* Implemented **Agile** Methodology or the project which involved daily scrums.
* Developed applications at presentation GUI, based on **n-tier** application architecture.
* Utilized **C#.Net, ASP.Net**, **AJAX, JavaScript and JQuery** for coding techniques update parts of a web page and improve the flexibility of webpage.
* Designed **Custom Validation Controls** for validating the data in the User Control and used ASP.NET Validation Controls for server side validation and **JavaScript** for client side validation
* Developed template-based web programming using Master Pages, Themes, Style Sheets and Skins using **HTML, CSS and Angular JS**.
* Responsible for designing web pages with asp.net controls with rich user interface with basic **Ajax control tool kit** and **JQuery** for an efficient and interactive Webpages.
* Designed and developed **master pages** using **ASP.NET** and used CSS to enhance the look & feel of the website.
* Implemented Role based **Forms Authentication** for external Users and Windows Authentication for Internal Users using the membership and role provider.
* Extensively worked with **VB.Net** for creating classes of this application and Integrated with ASP.Net pages.
* Developed plug-in methods using delegates to implement event based system elegantly.
* Implemented the application using **MVC framework** so that different layers in application are isolated and managed easily. Developed Single Page Applications Using **Angular JS** where rapid user interaction was required with less reloads of webpage.
* Implemented more dynamic features on Web Pages using **Angular JS** directives, expressions, models and Controllers.
* Responsible for binding the **WCF** web services to the application using **WEBAPI** WebHttpBinding to get and post the data to and from the web server
* Implemented **Web API** services in ASP.NET **MVC** application using API controller and utilized different custom action methods to develop Web Pages.
* Developed UI with third party custom controls like **Telerik** and Implemented the rich UI in HTML 5 using **Kendo UI**
* Performed input validations on Web Forms using various .NET Validation Controls and **Angular JS** specific validations for Web Pages.
* Developed web services using Microsoft **Web API** to transport data in portable formats like Xml, JSON which are mostly used
* Utilized ASP.Net validation controls and **JavaScript, jQuery** to perform client side validation.
* Worked on **LINQ** to **SQL** for querying data from the database and for inserting and updating templates and cases into the database.
* Developed system services SOA application platform for use by all web applications utilizing WCF services and the ASP.Net provider model.
* Designed **test cases** with user requirements, executed them and involved in bug tracking.
* Worked with testing team in preparation of final test summary document.
* Used **stored procedures** with **Oracle 11g** Database and PL/SQL for developing complex business rules.
* Developed code in **PL/SQL** to run batch jobs for Oracle database.
* Hands on experience with **N-UNIT** testing for the application.
* Maintained **TFS** as a central repository system and automatic builds and continuous integration and **NUNIT** testing.
* Created and deployed SQL Server 2008 **SSIS** packages to redirect the data in to the production

**Environment:** C# 4.0, ASP.NET 4.0, VB.Net, Visual Studio 2012/2010, MVC 4.0, HTML, JavaScript, JQuery, Ajax, PL/SQL,CSS, Angular JS, Web API, XML, XPATH, LINQ, Oracle 11g, MVC, TFS, Web Forms, IIS , Windows Server 2008.

**Mid-American Energy, Des Moines, IA**

**Duration: December 2012- October 2014**

**Role: .Net Developer**

**Responsibilities:**

* Actively involved in requirement gathering and analysis and design phases.
* Involved in code reviews for business logic modules and prepared the review documentation.
* Developed web pages for policy viewer functionality using **ASP.Net MVC 3.5, Razor**.
* Executed **ASP.Net MVC** development for web (customer-facing and internal) and C# for middle-tier applications.
* Customized various controls for Application by developing **Custom Controls** and **User Controls** for consistent look and feel.
* Involved in configuring web.config file for **ASP.Net** web forms and the entire Web Application.
* Used **Cookies** to store the user-specific information throughout the Web Application.
* Used **Windows Communications Foundation** (WCF) and **Web API** for different web services.
* Developed web form clients in C# using **Windows Presentation Foundation** (WPF) and XAML.
* Worked on **AJAX** and **Angular JS** for dynamic web content generation.
* Implemented different binding configurations in WCF web services like nettcpbinding, wshttpbinding. Used webhttpbinding to implement **Web API** services in WCF.
* Developed Web Pages using **Angular JS** models and controllers to bind data to application dynamically
* Used JQuery extensively to perform **JavaScript** validations and AJAX updates.
* Extensively used **ADO.NET** to access database object tables, stored procedures, and implemented Data Access Layer (DAL).
* Utilized **LINQ** to implement different operations efficiently to integrate data validations and business logic rules.
* Responsible to store data in **MongoDB** database which uses Dynamic Schemas to store data in **JSON** like documents.
* Developed Connection strings to **MongoDB** and executed queries, batch jobs with respect to it.
* Creating reports in PDF, XLS and HTML formats using Active Reports.
* Worked on **LINQ** to SQL for querying data from the database and for inserting and updating templates and cases into the database.
* Developed classes and interfaces for the Data Access layer using **VB.NET, ASP.NET ADO.Net**, and SQL 2008 data access library.
* Followed **Agile** methodology in implementing the application in **sprint** cycles.
* Worked on components using **ADO.NET and WCF** Services to communicate with the SQL Server Databases to implement Business Logic.
* Performed code reviews and code optimizations for performance ensuring the use of standard coding guidelines and best practices.

**Environment**: C# 3.5, ASP.NET 3.5, VB.Net, Visual Studio 2010/2008, MVC, HTML, JavaScript, JQuery, Ajax, CSS, XML, XPATH, LINQ, MongoDB, MVC, TFS, Web Forms, Web API, IIS , Windows Server 2008.

**FedEx Freight services, Memphis, TN**

**Duration: February 2011 – November 2012**

**Role: .Net Developer**

**Responsibilities:**

* Involved in the **SDLC** phase of requirement analysis, design, and development of the web based internet application tool using **MVC** Framework.
* Used the **Agile** Methodology to create stories, iterations, sprints, as well as organize daily stand-up meetings, story workshops, and sprint reviews.
* Designed use cases, class diagrams, collaboration diagrams, state-chart diagrams and sequence diagrams using tools like MS Visio and **UML**.
* Responsible for designing user Interface Applications using **Angular JS.**
* Extensively used **ADO .NET** features like Data Set, Data View and Data Adapter.
* Added **JQuery** for UI, Validation and **Ajax** submission, **JSON** web service call.
* Wrote **JavaScript** Code for client side validations.
* Followed **MVC** Design Patterns for Application Development.
* Designed partial views in **MVC** applications to integrate them to main view according to the requirements and used shared views commonly in different Web Pages.
* Used .NET Framework 3.5, Object Oriented Methodologies(C#) for Application Development.
* Worked on creating Restful Services using **Web API** and C# to provide services to HTTP requests.
* Developed system services SOA application platform for use by all web applications utilizing WCF services and used SOAP, XML and WSDL.
* Designed and generated reports using **SSRS** to be rendered on the web using the Report Viewer control in ASP.NET.
* Leveraged WCF mechanisms like sessioning, Instance management, concurrency to make our services more robust and scalable.
* Implemented various client side validations using **JQuery and Angular JS, ASP.NET MVC** Validation implemented at Controller level using Data Annotations.
* Used **Entity Framework** and **LINQ** to access the database so the user could create, edit, display, and delete data from the application's UI.
* Used Result Filters for logging operations performed after Action Result and used Exception Filters for returning errors to the view in **MVC**
* Interacted with Project managers, Business Analyst to resolve any issue in timely manner and keep everyone informed about the status of the Project.
* Designed **technical design document** to specify functional specifications and developed **test cases** and executed them in integration and system testing phases.
* Fixing bugs reported by QA team and reported in **Quality Center**
* Utilized the **TFS** source control software to keep track of new and past versions of code written in my application.

**Environment: :** C# 3.5, ASP.NET 3.5, SOAP, VB.Net, Visual Studio 2010/2008, MVC, HTML, JavaScript, JQuery, Ajax, Angular JS, CSS, XML, LINQ, SQL Server 2008, SSIS, SSRS, TFS, Entity Framework, Web Services, Web Forms, IIS , Windows Server 2008.

**Symantec, Bangalore, India**

**Duration: November 2008 – December 2010**

**Role: Software Engineer**

**Responsibilities:**

* Analysed and worked closely with Business Users to identify business requirements.
* Played active role in all **SDLC** stages - requirements gathering, analysis and design, development, testing, debugging, and implementing and deploying of application.
* Designed and developed excellent, user friendly Win Forms using **ASP.NET** for data collection.
* Designed Class Diagrams, Data Flow diagrams using MS Visio.
* Designed the application using an **MVC** architecture that promotes a clear separation of presentation, business logic and data access tiers.
* Designed, developed interactive user interface for web users using **XML, HTML, JavaScript, DHTML, XHTML, CSS and using ASP.NET and C#.NET**
* Responsible for Extracting, Transforming and Loading Claim data uploaded by client using FTP and FileZilla.
* Calculated Copay, Coinsurance amounts according to Coventry Healthcare ICD 10 standards and comparing with existing ICD 9 values, validated the variance.
* Create Entity classes and relationships between Entity classes using **Entity Framework** to manage relational data as objects.
* Built an ASP.NET application authentication using **.NET Framework, Model View Controller MVC** and IIS security model.
* Performed **NUNIT** testing and have written unit test cases in several modules
* Used Team Foundation Server for integrating, maintenance, reporting and Project tracking.
* Generated PDF and Word Documents from **Crystal Reports** writing methods in C#.
* Developed **SQL Stored Procedures** and complex queries in SQL Server 2008
* Involved in Bug Fixes in both new development and production issues

**Environment:**  Visual Studio 2008, C#.Net, ASP.Net 3.0, MVC, VB.NET, JavaScript, SQL Server 2005, HTML,CSS, XML, IIS, TFS, Web services.