Vasudev Ravula

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Summary:

Overall 6+ years of experience in design and development of Web and Windows applications using Microsoft technologies. Good experience in developing various applications using .**Net Framework 3.5/4.0, C#, ADO.Net, XML, JavaScript, AngularJS 1.5, jQuery, CSS, HTML5, ASP.NET, ASP.NET MVC, IIS, Web Services, WCF, Web API.**

* Good understanding of OOPS concepts with hands-on experience in implementing concepts such as **Polymorphism, Inheritance, Encapsulation, Abstract classes and Interfaces**, etc.
* Involved in the complete lifecycle (SDLC) of the project in **Design, Development, Implementation, testing and Support and Production Maintenance**.
* Experience with Software Development Processes & Models: **Agile, Waterfall, & Scrum Model**.
* Expertise in **ASP.NET, ASP.NET MVC 2.0/3.0/4.0, ADO.NET, ASP.NET Web Services, WCF, WEB API.**
* Experience writing **AngularJS** code for developing Single page applications (SPA), used several built-in and custom directives, expressions and modules.
* Experience with **UI skills** like **HTML, CSS, XML, XSLT, JavaScript, jQuery, AngularJS and AJAX.**
* Experience in working with **databases** like **SQL Server 2008/2012.**
* Experience in Database design and programming: writing **Stored Procedures, Functions, Triggers, Views, Joins, performing Query Optimization and Performance Tuning.**
* Extensively used web technologies like **ASP.NET server controls, C#, JavaScript, XML, HTML, Bootstrap** in designing and developing the web projects.
* Extensive Experience in **LINQ, Lambda Expressions, Entity Framework, ORM.**
* Worked on different **Design Patterns** including **Dependency Injection, Repository, Factory, Singleton Patterns**.
* Worked on .NET Security features such as Forms-based **Authentication** and Role-based **Authorization**.
* Good experience on Versioning tools like **TFS (Team Foundation Server) and GIT.**
* Strong experience in the Analysis, Design, Development and Implementation of multi-tier web based applications and distributed applications using **WCF/Web services/REST Standards based on Service Oriented Architecture (SOA)**.
* Expertise with working on **AJAX** toolkit controls with ASP.NET Web applications.
* Experience in working with **SQL Server Reporting Services(SSRS)** using Visual Studio.

Skills:

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| **Languages:** | C#, ASP.NET, AJAX, HTML5, AngularJS, JavaScript, jQuery, MySQL, T-SQL, CSS3, Java, PHP, C, C++, Python, VB, PHP |
| **Frameworks:** | ASP.NET Web 5.0/4.5, Entity Framework, jQuery, ASP.NET MVC 5.0/4.0, Web Services, ADO.NET, LINQ, WCF |
| **Databases:** | Microsoft SQL Server 2016/2014/2012/2008, Oracle MySQL |
| **Tools:** | Visual Studio 2015/2012/2008, Fiddler, Microsoft SQL Management Studio, NetBeans IDE, PyCharm, Fiddler, Aptana |
| **Operating Systems:** | Windows XP/7/8.1/10, Ubuntu, OS X |
| **Technologies:** | ADO.NET Entity Framework, SQL, Razor, WCF, CSS3, LINQ |

Professional Experience:

**BBK Worldwide, Needham, MA Jun 2016 – Till Date**

Full Stack .NET Developer

**Project Description:**

BBK Worldwide is the worldwide pioneer in patient enrollment and engagement for the clinical trial industry. TrialCentralNet is patient enrollment management system from BBK Worldwide technology. This application helps clinical review groups to make better administrative choices throughout a clinical review life cycle. The application ensures that users view only the information permitted by their access privileges with numerous levels of data protection. I was responsible for building Core modules such as CROs and CRAs to perform secure payment transactions to their clients and enrolled patients; CRO module – allows to create CRAs, patients and their diagnostic details; Diagnostics module - analysis on the case study group of patients.

**Responsibilities:**

* Worked on creating **Single Page application (SPA)** using **AngularJS, HTML5, CSS3 & Bootstrap & JavaScript**.
* Created Multiple reusable UI Directives by defining **AngularJS Directives, Attaching Event Listeners, Controllers & Updating DOM elements.**
* AngularJS **Factory, Services & Providers** created for different modules.
* AngularJS **ui-grid, ng-repeat** used for showing Tabular Data.
* All the CRUD operations were performed with the help of AngularJS **$http & $q** with respect to database.
* Use **$sessionStorage, $localStorage and $cookieStore** to store data in browser.
* On the server side, created and used **Restful Web API** endpoints for CRUD operations for this AngularJS project.
* Created & Exposed Restful Web API endpoints using HTTP verbs of **GET, PUT, POST & DELETE**.
* Created multiple **Controllers, Models, View Models** and **Filters** in Web API solution.
* Created **Data Access Layer, and Business Logic Layer** Classes in Model using C#.
* Write down **Complex Stored Procedures, SQL Queries, and User-Defined Functions** in SQL Server database.
* Performed all **Server Side Validations with Data Annotations** in Web API on Model using C#.
* Used Entity Framework ORM tool.
* Used **Fiddler Tools** for Web API endpoints testing.
* Responsible for maintaining versions of source code using **Team Foundation Server**.
* Worked in **Agile** Methodologies.

**Environment:** AngularJS, WebAPI, C#, VS 2013, SQL Server 2008, T-SQL, Entity Framework, HTML5, CSS3, Bootstrap, JavaScript, JSON, TFS, Fiddler, Agile (Scrum).

**Children’s Specialized Hospital, New Brunswick, NJJan 2014– May 2016**

.NET Developer

**Project Description: Rehab on The Go (ROTG)**

Children’s Specialized Hospital is one of the nation’s largest and best pediatric rehabilitation and specialty pediatrics hospital, well known for its excellent results and compassionate care. **ROTG** is a web application, developed for patients going to rehabilitation for an injury to keep track of their progress and reference their prescribed routines and exercises and share feedback or questions with their trainer. The features supported in the application includes a content management system (CMS) that would allow a trainer to perform CRUD operations on tailored exercises for later assignment. The application can display notifications for patients and trainers and provides feedback reports on exercise completed. Here, I worked on the reports page that generates patient reports based on the assigned and completed routines and exercises. I also implemented the patient dashboard that shows the completion of a specific routine in form of charts and graphs, routines finished and to be finished by the patient.

**Responsibilities:**

* Developed **MVC razor views, partial views, view model repository pattern layers.**
* Involved in gathering the **requirements and UI design**.
* Used ASP.NET **MVC Page Controller pattern** to add functionality to individual pages such that to accept input from the **page request invoke the requested actions.**
* Implemented **Entity Frameworks** for **Lazy loading, Table splitting, Table hierarchy** techniques.
* Developed **WCF services** to communicate between **DAL** and other business components and to access the application catalog and search related functionalities.
* Implemented **LINQ** for **querying, sorting, filtering** the complex objects.
* Involved in the **design of data access layer, business logic layer** and worked with **ADO.NETEntity Framework** components.
* Designed and developed the user interfaces for various tools and implemented **JavaScript client side validation** and **server side validation** using **data annotations.**
* Implemented **role based authentication** which controls the access of site section and gives a report of the pages.
* Worked with .NET’s features like **event handling, error handling, caching.**
* Worked with **SQL Server Reporting Services (SSRS)** for Reporting.

**Environment:** Microsoft Visual Studio 2010, SQL Server 2010, Microsoft Visio, SQL Server Data Tool 2010, .NET Framework, MVC, T-SQL, ADO .NET, ASP .NET, HTML, CSS, JavaScript, jQuery, Twitter Bootstrap, JSON, TFS, Entity Framework.

**Indium Corporation, Clinton, NYOct 2012– Dec 2013**

.NET Developer

**Project Description:**

Indium Corporation is a global manufacturer and supplier of materials used in electronics.  I worked on a web based Order Tracking System which offered a wide range of tools for the company’s representatives use. Provided a simplified management of products, orders, clients, and reports through an intuitive interface. It allowed representatives to offer clients with instantaneous, accurate and automated pricing on all orders, email notifications on the best pricings at the current times, daily and monthly reports on all the different product pricings and transactions, and the ability to provide unique or special pricing on products based on the distributor, quantity and weight. It increased the work productivity of representatives and client/representative interaction and satisfaction. And reduced the cost of labor, the user errors, and training required to use the system.

**Responsibilities:**

* Involved in **Object Oriented Analysis and Design using UML** (Unified Modeling Language) techniques such as **use case, activity, sequence, class and component diagrams** using Microsoft Visio.
* Developed **Web Pages** using **ASP.NET MVC and C#**.
* Responsible for designing Rich User Interface Applications using **JavaScript, jQuery, CSS, HTML.**
* Used **Twitter Bootstrap CSS** framework for Base Styling of HTML elements.
* Implemented **Entity Frameworks** to work with relational data using domain-specific objects.
* Used **ViewBag, ViewData, ViewModel, TempData** for passing data between Controllers and Views.
* Implemented **MVC WebGrid with paging and sorting** for displaying various data in tabular form.
* Implemented WebGrid with the **jQuery inline update, delete** and reflecting the database.
* Implemented **WebGrid loading with jQuary.ajax()**, success error methods.
* Implemented jQuery popup forms and effects.
* Implemented security policies including **Authentication and authorization.**
* Involved in testing like **Unit test, Integration test, Acceptance test and Regression testing using NUnit** and responsible for writing test scripts and scenarios.
* Used **Team Foundation Server** (TFS) for Version Control.

**Environment:** Microsoft Visual Studio, SQL Server, Microsoft Visio, .NET Framework, MVC, T-SQL, ADO .NET, ASP .NET, HTML, CSS, JavaScript, jQuery, Twitter Bootstrap, JSON, TFS, Entity Framework, ITextSharp

**Ramco Systems, Bengaluru, India Jan 2011– Aug 2012**

ASP.NET Developer

Ramco is a fast-growing enterprise software player disrupting the market with its multi-tenanted cloud and mobile-based enterprise software.

**Projects Description:**

**Integrated Office Management Software Solution:** Integrated Office Management Software Solution was a complete office automation solution for multi-functional institute to serve its scientific and technological needs. We used ASP.NET to implement this project. The website has modules such as Employee, Salary, Attendance, Director, Admin, Accounts, Transport, Project, and Stock. The system works for maintenance of stock and store material and records of all employees and all related information such as attendance and salary.

**Centralized Customer Management (CCM):** Centralized Customer Management application is intranet based application helps to maintain subscription, case, invoicing and payment for that customer who has taken a subscription. The support person can login to CCM and can process failed invoice. They can upgrade, stop and resume any subscription. I worked on the case and invoice modules of customer.

**Responsibilities:**

* Used Agile Software Development principles to enable high-quality software development.
* Worked with **ASP.NET** web forms, Master Pages, Web Services, Server Controls, User Controls,State Management, Caching features, Configuring Optimizations and securing the web application.
* Created Grid Views to display data and formatted with Sorting and Paging features, implemented inline editing for the GridView to edit table data from frontend.
* Worked on **ADO.NET** components **SQL Connection Object, Command Object, DataReader, DataAdapter, DataSet and DataView** to provide communication to the database.
* Used **ASP.NET ajax()** extensively for calling Web Services without writing a lot of custom JavaScript code to handle the request and response messages.
* Used Custom **Cascading Style Sheets** (Custom CSS) to attain uniformity of all web pages and to control the layout and look of the page easily and involved in designing of User Interface with **CSS, HTML, and DHTML.**
* Implemented features of **ASP.NET** such as Compare Controls, Repeater Control and Security using form authentication and used ASP.NET validation controls to do server-side validations.
* Used **SOAP** to Implement **Web Services** and Consumed and published **XML web services** in the application.
* Developed extensive **Stored Procedures** and **Triggers** in **SQL Server 2008.**

**Environment:** Microsoft Visual Studio 2008, SQL Server 2008, HTML, CSS, JavaScript, jQuery, ASP .NET, WebForms, AJAX, SOAP

Education:

* Masters in Computer Science, Sacred Heart University, Fairfield, CT
* Bachelor of Technology in Computer Science and Engineering, JNTU Hyderabad