**Deepika R**

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**707 530 2464**

**Sr.NET Full Stack Developer**

**PROFESSIONAL SUMMARY**

* Around **6+** years of IT experience in Desktop/Web based applications using **VB.NET, C#, ASP.NET, ASP.NET MVC, Angular JS, Angular 2 and SQL Server** with active involvement in all the phases of **Software Development Life Cycle process (SDLC)** Analysis, Design, Development, Testing and Implementation of Client/Server web applications using Microsoft .NET.
* Hands on experience on developing client-server and web-based projects using technologies like ASP.NET, C#.NET, ADO.NET, JavaScript, JQuery, web controls, XML, AJAX, Reporting Tools
* Experience in software design Patterns like 3-Tier, N-Tier and Service-oriented architecture (SOA) applications which are implemented with OOP/D (Object Oriented Programming and Design) like Inheritance, Polymorphism
* Extensive experience of designing and developing software applications in MVC model of Win Forms, Web Services, WCF, Web Forms and Windows Services with Microsoft Visual studio and.NET Framework using C#, ASP.NET and VB.NET on Windows/Linux environment
* Designed and Developed Various Angular 2/4 Component Single Page Applications (ngModule), Services (observable/promises), Directive and Pipes for data filters
* Experience working with .NET features like Events & Delegates, Generics & Collections, Multi- Threading, Exception Handling, Serialization
* Developed Graphical User Interfaces using HTML/HTML4/HTML5, Cascading Style Sheets (CSS, CSS2, CSS3), XML, JavaScript and AJAX.
* Used Bootstrap to Style the web pages and make the application responsive.
* Developed and deployed a variety of .NET Framework Applications including MVC and Razo
* Engine to create different classes using C# in application
* Expertise in developing GUI (Graphical User Interfaces) using C# Client/Server (Win Forms) and experience with Data Accessing including using Data Adapter, Data Reader and Dataset in ADO.NET, Language Integrated Query (LINQ) providers for data manipulation from LINQ to objects, XML and SQL
* Implemented Angular 2 client-side form Validation using various Controls and Filters
* Experience in .NET security features such as Authentication (Windows-based Authentication, Forms-based Authentication) and Authorization (Authorizing Users and Roles
* Experience in developing reports using Crystal Reports, MS Access reports, and SQL Server

Reporting Services (SSRS)

Good exposure of object-oriented analysis and design, searching and sorting techniques, data structures and algorithms.

Extensively used WPF Data Grid for creating rich end-user experiences for viewing and editing data.

* Excellent knowledge in understanding and using Oracle 11g, SQL and PL/SQL queries, Stored Procedures, Triggers, Functions, Views and Database Design
* Experience in database related work primarily creating complex Stored procedure, Views, Triggers,(UDF)Functions, using PL/SQL,T-SQL and Performance Tuning in SQL Server 2008/2005/2000 & Oracle 11g/10g/9i/8i
* Experience in importing/exporting data from varied data sources using SQL Server Integration services (SSIS), Microsoft SQL Server Reporting Services (SSRS) and Crystal Report
* Experience in developing the project based on Agile Scrum methodology
* Worked in Source control/versioning tools like SVN and Github.
* Expertise in MS Team Foundation Server (TFS) to manage the team work on development environment, and Visual Source Safe (VSS) and CSV, SVN, Ankh SVN, Tortoise SVN for Version Controlling
* Good Team Player with excellent communication, analytical, verbal and writing skills along with strong management, organizational and mentoring skill

**Database:**

* Proficient in relational database like, data modeling, **SQL Server 2005/2008/2012/2014**.
* Experience in using **SQL Server Management Studio** and **SQL Server Reporting Services** (**SSRS**) along **with SQL Server Integration Services** (**SSIS**) for monitoring the instances of SQL Server.
* **TSQL** skills (Stored Procedures, Cursors, Triggers, Functions, indexing, performance tuning, SQL tuning, query optimization and SQL queries).
* Experience on **MySQL** (document database No SQL) and **MONGO DB.**

**Analysis and Testing:**

* Experience in Writing ATP’s using **NUnit**, **MS-Unit** on various Client/Server .Net based applications with N-tier development environment.
* Proficiency in preparing the developed programs including Test Plans, VS Team Edition for Testers, automated scripts, Automated Unit testing, test scripts with **NUnit** for ASP.NET Web Forms.
* Performed System testing in all phases of development.

**EDUCATION**

* Bachelor’s in Information Technology

**TECHNICAL PROFICIENCY**

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| **Programming Languages** | C#,C++, VB.NET. |
| **.NET Technologies** | Win Forms, WPF,ASP.NET, ASP.NET MVC,ADO.NET, Entity Framework, Web Services, WCF, Web API. |
| **Web Development** | ASP.NET, SignalR, MVC4, MVC5, HTML, HTML5, JavaScript, AJAX, jQuery, CSS, CSS3, Bootstrap, AngularJS, Angular 2, Angular 4, SOAP, XML, XSL, XSLT. |
| **Development IDE** | Visual Studio 2008/2010/2012/2013/2015 |
| **Databases** | Microsoft SQL Server 2014/2012/2008, Oracle 10g, 11g, PL/SQL, Mongo DB, Team Foundation Server 2010. |
| **Operating Systems** | Linux 5.x, Windows Server 2008, Windows XP, Windows 7, Windows 8 |
| **Web servers** | ISS 5.0,6.0,7.5 |
| **BI Tools** | SSRS, SSAS, SSIS |
| **Frameworks** | Microsoft.NET 4.5/4.0/3.5/3.0 |
| **Unit Testing Frameworks** | MS-Test, Nunit |
| **Version Controller** | Microsoft Visual SourceSafe, TFS, SVN. |
| **Methodologies** | Agile, OOPS, OOAD, SOA |

**PROFESSIONAL EXPERIENCE**

**Client:Delta Airline, Atlanta, GA Jan 2017-Till Date**

**Role: .Net Full Stack Developer**

**Responsibilities:**

* Followed **Agile Scrum** methodology for application development and deliverable
* Involved in building MVC website according to the standards and requirement
* Involved in using MVC 5 pattern for both UI development with Angular 2/4 and application development with C#.
* Designed and developed this web application using .net framework 4.6 and visual studio 2015/201
* \Used Web APIs for interaction between SQL Server and flushing the data to front end using Angular
* Implemented custom directives, custom tree-view control and client validations using Angular2
* Utilized Data Grid and Data List to display and manipulation of records from SQL Server using Entity Framework 6.
* Worked with Entity Framework LINQ, WCF, SQL database, WebAPI, jQuery, Telerik and Software life cycle using Class diagram activities for the application portal
* Implemented interactive UI with HTML5, CSS3, Bootstrap and JavaScript
* Responsible for design and development of Web Forms using C#.Net, N-tier architecture
* Created TypeScript reusable components and services to consume REST API's using Component based architecture provided by angular 2. Handled all the client-side validation using JavaScript
* Experienced in developing WCF services and worked with source control Team Foundation Server
* Experience in Creating Azure SQL database, performed monitoring and restoring of Azure SQL database. Performed migration of Microsoft SQL server to Azure SQL database.
* Knowledge in Implementing Integration of Azure Active Directory (Azure AD) with existing directories Azure AD Connect and single sign-o
* Developed real time tracking of class schedules using node js (socket.io based on socket technology, Express js framework)
* Designed and developed user-friendly GUI interface and web pages using HTML, Angular JS, jQuery, Node.js, React.js, and JavaScript
* Monitored and managed the github accounts and Amazon servers.
* Worked in Source control/versioning tools like SVN and Github.
* Designed dynamic client-side JavaScript codes to build web forms and simulate process for a web application, page navigation using Angular 4.
* Working with financial analysts, to translate their risk models into Excel/VBA and R algorithms.
* Data binding was extensively used to bind various server controls to the data from database
* Implemented AJAX controls and developed Web forms for the most part of the application
* Used jQuery for a better interaction with the application, performed Code review and Unit testing for better performance
* Created and maintained web pages using HTML, CSS, JavaScript, jQuery and also responsible for Designing of Web pages including Ajax controls and XML
* Developed and consumed WCF/REST Web services.
* Used Soap UI for load testing the Web services and involved in creation of various DOA (Data Access Objects
* Converted unstructured streams in Cosmos (Raw Data which are in Binary form) to structured stream (readable stream) and performing required aggregation on that Data using scope studio by writing scope scripts.
* Responsible for all cosmos streams in CRM Analytics and point of contact for all teams and created dashboards for different teams in CRM.
* Experience in overseeing MongoDB condition from accessibility, execution and adaptability points of view.
* Develop real time application using SignalR, Reactive Framework and KnockoutJS.
* Architected and implemented numerous backend web services using C#.NET.
* Developed controllers and action methods for user interaction logic using C#.NET.
* Designed, code, benchmark testing, debugging and documentation of programs using C#, C++, VB, Web Services and COM
* Modified Healthcare Applications dealing with API Calls and Data transfer to SQL 2005 database and support of legacy applications using C++, COM, and Web Services
* Designed the framework in C# based on repository pattern to access the MongoDB.
* Used Data Structures for storing the raw data received using Circular Queue.
* Used Visual Studio 2015 and Visual Basic for Applications (VBA) in Excel and Access to develop software solutions and tools to improve business practices
* Proficient in Requirement Management, including gathering, analyzing, detailing and tracking requirements
* Designed and developed web forms with ASP.NET, JavaScript, jQuery, JSON, HTML5, XHTML, CSS3, and Firebug
* Implemented Data access layer (DL) using ADO.NET with database SQL Server by creating Functions, and Store Procedures in SQL, T-SQL
* Design and development of Web Pages using jQuery, jQuery Mobile, Ajax
* Provided session level security and password authentication using session objects and cookies
* Developed complete middle tier and database tier. Created SQL procedures, triggers, writing complex queries
* Worked developing SignalR for bi-directional communication with in the application.
* Involved in gathering business requirements, created Business Requirements Document (BRD) and maintained Requirements Traceability Matrix (RTM) as part of requirement gathering and analysis.
* Design and Setting up of environment of Mongo Db with shards and replicasets. (Dev/Test and Production).

**Environment**: Visual Studio.NET 2013, C#, Spring.Net, ASP.Net 4.5, .Net Framework 4.5,Entity Framework, ASP.net Web API, SignalR, Azure, Cosmos, WCF, TFS 2013, IIS 7.0. HTML5, DOM, DHTML, Unidata XHTML, Bootstrap, React JS, Ajax, JSON, AngularJS, Angular 2/4

**Client: MasterCard, ST Louis, MO Apr 2015-Dec 2016**

**Role: .NetFull Stack Developer**

**Responsibilities:**

* Involved in different stages of **Software Development Life Cycle** SDLC including analysis, designing, coding, and testing
* Involved in Analysis, Design, Coding, and Testing and maintenance phase of the project life cycle.
* Involved in Requirements Collection, Architectural Design & Analysis of the Customer Specification
* Development and Customization of the Application.

Implemented AngularJS Controllers to maintain each view data. Implemented Angular Service calls using Angular Facto

* Effectively used ASP.NET MVC bundling and minification techniques to improve the performance of the application
* Effectively created custom routes and added them to ASP.NET MVC routes collection and created business models and injected them into MVC views using the controllers.
* Leveraged angular resources for all data access, encapsulating URLs and standardizing data access interfaces
* Used Bootstrap and Angular JS, React.js, and Node.js in effective web design. Created distributed Oracle coherence domains, configuration, and system design
* Utilized Angular forms module to create and validate user interactive forms.
* Developed data consolidation processes to migrate high volume payer data from multiple sources in to a single data structure.
* Used GIT Repository with VS extensions for version control and source code maintenance needs.
* Updated applications written in ASP.Net, VB.Net, JavaScript, C# to use new data structure.
* Involved in the designing of WCF based Service with Data contract for serializing complex data, Fault contract for exception handling and Message Contracts to control the SOAP message.
* Involved in hosting the WCF based service on IIS 7.0 and testing the service using the tool, WCF Client.
* Working on creating Rest Services using ASP.NET Web API and C#.
* Worked with JSON to pass the JavaScript objects from server to web application.
* Implemented REST full Web API/WCF services for service layer.
* Created Action filters and Exception filters to implement REST API
* Experience with NoSQL MongoDB in working with collections, indexes, shards and other database management tasks.
* Implemented Data Access Layer using Entity Framework Code First and extensively for data querying, storage and manipulation using LINQ
* Developed application using ASP.NET, AngularJS, HTML5,Unidata, React.JS, CSS 3, jQuery, Ajax, Bootstrap and JavaScript.
* Used Angular.js features Controllers, custom directives filters and AJAX to maintain the Rich and Responsive UI for the application.
* Created interface using Visual C++ Studio 6, including Dialogs in MFC, ATL 3.0, and Test COM with VB
* Used LINQ to XML and LINQ to Object at service level to communicate between different applications.
* Developed complex programs in T-SQL, wrote Stored Procedures, Triggers, Views and Queries with best execution plan.
* Migrated Data from Jarvis (Data pipeline in Confidential ) to Cosmos / Jarvis to Kusto’s (Another big Data)/ Jarvis to SQL /Cosmos to SQL for using them in creating dashboards.
* Used TFS (Team Foundation Server) for version Controlling and source code sharing and also used MSBuild
* Extensive working knowledge on Configuring and version controlling with Team Foundation Server (TFS), Visual Source safe (VSS).
* Involved in creating stored procedures, triggers, and views in SQL Server2008 for data manipulation and retrieval.
* Performed CRUD operations like Update, Insert and Delete data in MongoDB
* Designed and developed Hybrid-Single Page Application using C# 5.0, .NET Framework 4.5, ASP.NET MVC 5, and AngularJS 1.5.
* Developed Business Tier using C# 5.0 to implement classes and methods for business logic.
* Worked on creating documents in Mongo database.
* Performed performance tuning on analyzed existing code for better outcome.

Involved in analyzing and preparing Unit Test cases for various scenarios and developing automation test cases using Nunit framework

* Performed End-to-End Testing, troubleshooting, debugging, integration testing, regression testing and performance testing and analyzed the results to justify validation.
* Responsible for configuring NoSQL databases like Apache Cassandra and Mongo DB to for increasing compatibility with Django.

**Environment**: Visual Studio.NET 2013/2012, C#, ASP.Net MVC 5.0/4.0, SignalR, .Net Framework 4.5,Entity Framework 6.0/4.3, WCF, TFS 2013,Cosmos, AngularJS, Bootstrap, Unidata IIS 7.0. HTML,React.JS HTML5, DOM, DHTML, XHTML, REST Web Services, WEB API,LINQ, SQL Server 2008R2,Mongo DB.

**Client: American Airlines, Fort Worth, TX Aug 2013-Mar 2015**

**Role: .Net Developer**

**Responsibilities:**

* Involved in Full Cycle of Software development from **Analysis** through **Design**, **Development**, **Integration** and **testing** phase
* Designed and developed the software using agile development practice
* Involved in Design, Development of Web Forms using ASP.NET, C#, jQuery, XML, dataset and .NET Framework
* Developed ADO.NET Entity Framework to use relational data with a data service by defining a data model that maps to relational data. Used jQuery for web interface development with good looking web application
* Involved in maintenance of the existing project on VB 6.0 and developing the new requirements based on .Net technology, upgraded and migration project from desktop application to web application
* Involved in designing of WPF screens and implementing MVC design pattern
* Developed business logic for MVC application to interact with ASP application cookies
* Developed interactive pages of the application using ASP.NET Web Forms pages with VB .NET for the code behind modules
* Developed Web Forms for User Interfaces using ASP.NET with Server Controls, HTML Controls and User Controls
* Extensively Used. ASP.NET 4.5 controls like Master Page Templates, Menu Controls, Grid View Controls and File Upload Controls
* Extensively used Partial Classes, Interfaces and Object-Oriented concepts for developing the application
* Used Windows Communication Foundation (WCF) for multiple services to interact with the application for the clients
* We used to push the code using GitHub.
* We used to have all the backup code in the GitHub repository.
* Developed multitasking system handling multiple transactions from system clients. Developed C/C++ parsing programs for the movement of data from Unix and IBM PCs’
* Created Console applications and used ADO.NET objects such as Dataset and Data Adapter, for consistent access to SQL data sources
* Good knowledge on creating services with Angular 4 injectable property, as to make the service available for dependency injection when creating components.
* Had developed Single Page applications using the AngularJS 1.6 framework
* AngularJS 1.0 was used for routing HTML templates into views in MVC
* Utilized JavaScript/jQuery, ASP.Net validations with AJAX control tool kit to create Client-side validations
* Created web pages, developed master page and classes for reuse by implementing GUI using HTML, XML, Ajax control library, CSS and Web Form Controls
* Used WCF Jason and WCF Rest service in developing and deploying on windows in line with the service-oriented architecture
* Integrated Cosmos streams, SQL data (Azure database) and Kusto’s data to UI Using MVC architecture.
* Created & published reports using SQL Server Reporting Services (SSRS
* Created drill down, drill through, sub and linked reports using MS SSRS as well as managed the subscription of the report
* Experience in developing the business reports using SSRS and Crystal Reports and Experience in SQL Server Integration Services (SSIS)
* Used SSIS for data transformation from Excel data base to SQL Server 2014 and SSRS for reporting
* Developing SSIS packages for integration with downstream / upstream application and generating reports which could be sent to other system
* Created stored procedures for updating and retrieving data from SQL server
* Created user controls to develop some of the modular driven aspects of the web site
* Involved in the Database design, wrote stored procedures, database views and T-SQL queries for the underlying SQL Server Database.
* Worked on creating various types of indexes on different collections to get good performance in Mongo database
* Enhance and Develop web pages to display real-time information on web-pages using ASP.Net, SignalR, JQuery and Knockout.
* Worked on MongoDB database concepts such as locking, transactions, indexes, replication, schema design.
* Experience in managing MongoDB environment from availability, performance and scalability perspectives.
* Actively involved in Bug Fixing during the build and deployment process and debugging
* Responsible to provide system support once the code is migrated to Test, QA or Production environments
* Used Team Foundation Server (TFS) for version control.

**Environment**: ASP.NET 4.0, C#.NET,SignalR, ADO.NET, MVC 4, HTML5, CSS3, JAVASCRIPT,Mongo DB, JQUERY, ANGULARJS 1.6, Cosmos, WEB API, OOPS, WPF, WCF, VB SCRIPT, SQL SERVER, SSRS, SSIS, SOAP, HTTP, TFS.

**Client: Genepact, India Jan 2012- Jul 2013**

**Role: .Net Developer**

**Responsibilities:**

* Responsible for gathering new Business Requirements of the system from client and followed**Waterfall Methodology** to plan and monitor projects
* Involved in creating .NET Shared Assemblies required for the project.
* Electronic Medical records Departments collected and displayed Patients Registration.
* Investigation, diagnosis, laboratory Treatment plan and Treatment procedure details.
* Developed the Health Care website with Flash and Streaming video
* Involved in modifying schemas, Segments and tables provided by HL7
* Generated maps using Functions to transform HL7 schemas to user defined schemas
* Generated schemas for the Interface methods for establishing connection in BizTalk.
* Experience in upgrading and migrating various versions of Mongodatabase on different platforms.
* Worked on FTP, SMTP, and SOAP Adapters. Developed various Orchestrations required for the Business process
* Developed User Controls, Reusable ASP.Net page-template.
* Experience in managing MongoDBenvironment from availability, performance and scalability perspectives.
* Conceptualized Stored Procedures, User Functions, Triggers and Views using MongoDB.
* Created common functions for calculations and validation of the inputs using C#
* Developed Custom Controls like Data Gridsfor reuse and extensibility
* Worked extensively on HTML and CSS spreadsheets.
* Developed extensive Stored Procedures, Functions and Triggers using SQL Server 200
* Involved in technical documentation.

**Environment:**.NET Framework 2.0, VS.NET 2003,C#, VB.Net, ASP.NET, ADO.NET, SQL Server 2000, Mongo DB,Java Script, Agile Methodology