**MD Yousuf**

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**EXPERTISE SUMMARY**

* 7+ years of experience in all phases of software development including analysis, requirement engineering, architecture design, database design, development, enhancements and maintenance of

Standalone, multi-tier, web-based, object oriented enterprise applications.

* Developed n-tier web applications in **.NET environment using C# .NET, ASP.NET, ADO.NET, XML, XSL, Web services, Web forms, Active directory, VS.NET, SQL server 2005/2008/2012.**
* Extensive experience in architecture, design and development of Client-Server and Distributed Web Applications **with ASP.NET MVC**, N-Tire Architecture.
* Experienced using Object Oriented software development methodologies such as **Agile and Waterfall Model**.
* Extensive implementation knowledge of **Software Design Patterns.**
* Experienced in**.Netframework**in a distributed based architecture and then used the framework to create service based applications.
* Experienced in **N-tier Architecture** and full life cycle software Development, which includes requirement & Object Oriented analysis, design, development, testing and documentation.
* Experience in developing **Web Forms, Windows Service, and Class and Control Libraries.**
* Developed server side controls & client side controls in C#. Worked with **.NET Server controls,** Web User Controls, Data Grid Web Control, Form validation controls and created custom controls.
* Worked on .NET Security Model **Code Access Security and Role Based Security** and implemented the features such as **Authentication & Authorization, Windows-based Authentication, Forms-based Authentication, Authorizing Users and Roles and User Account Impersonation.**
* Experience in implementingInteroperability using RCW and CCW(Accessing COM components in .NET Managed Code and vice-versa).
* Experience in publishing and consuming **Web-Services (ASMX)** using XML technologies such as **XML, XSL/XSLT.** Developed AJAX based ASPX pages extensively.
* Performed .NETRemoting to support distributed computing.**.NETRemoting**providesmeans for the different applications to communicate with one another.
* Expertise in data accessing using **ADO.NET**, writing **Stored Procedures** and designing views in **SQL Server 2008/2012.**
* Excellent Experience in writing Data Access Layers using ADO.net entity Frame Work and **LINQ to SQL.**
* Used **Crystal Reporting/Data Reports**tool **and tools using SQL Reporting Services** for generating reports.
* Experience in **Data Modeling**, **SQL Server 2005/2008/2012.**
* **Knowledge on .Net Framework 3.0/3.5/4.0/4.5**Windows CommunicationFoundation **(WCF)**and Windows Presentation Foundation **(WPF)**
* Experience in Internet/Intranet and E-Commerce Development using C#, ASP.NET, JavaScript, SQL.

**TOOLS & TECHNOLOGIES**

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| --- | --- |
| Software Development Languages : | **Microsoft .NET (C#, ASP.NET, ADO.NET), SOAP, HTML, XML, XSL** |
| Web Development Technologies: | **JavaScript, ASP 3.0/3.5/4.0/4.5, ASP.NET HTML, DHTML,XML, XSLT, CSS, SOAP , WSDL, MVC, Entity Framework** |
| Operating Systems: | **WINDOWS (9x, 2000, XP, Vista, 7, 8).** |
| Database Technologies: | **ADO, ADO .NET, ODBC, JDBC, OLEDB, PL/SQL, SQL,MSDE, Microsoft Access, Microsoft SQL Server 2005/2008/2012** |
| Software Design: | **UML, Microsoft’s Visio.** |
| Development Methodologies & Tools | **Microsoft Solution Framework, SCRUM/Agile.** |
| Development Environment: | **Visual Studio 2005/2008, 2010, 2012, 2013,NUnit, TFS** |
| Workflow Tools | **MS-Office, MS-Project, MS-Visio** |

**WORK EXPERIENCE**

**Xerox Service Solutions, Glendale, AZ Aug 2014 - Present**

**.Net Developer**

**Health Care System**

The Health Care System is a generic web based application developed for health care provider or physician’s office. The application consisted broadly of three modules**: Patient Registration (EMR) Module**, **Billing Module**, **and Claims Module**. The application confirms to **HIPPA** regulation.

Designed the architecture and developed the Claims Module. This module generated the claims from the patient and insured information, carrier information (collected during registration) and physician and supplier information (generated by billing module). The generated claim was encrypted and submitted to the health insurance provider/clearing house.

**Responsibilities:**

* Responsible for complete architecture of the claim module.
* Followed **agile** methodology.
* Gathered detailed business requirements by interacting with **SME**, designed and developed the claim module in **C#.NET** using **.NET Framework 4.5.**
* Designed and developed **UMLdiagrams** from the requirements.
* Created Business Logic Layer & Data Access Layers to implement the MVC architecture.
* Implementation of client side validations using jQuery and ASP.NET MVC Validation implemented at Controller level.
* **Class Libraries** were designed following **OOPs Concept**
* Designed **SQL 2012 database** schema, **stored procedures**, user defined **functions**, and **views**.
* Used **SQL Server 2012 Reporting Services** to create rich data driven reports.
* Designed and used **WCF services** to facilitate the communication between the components and other services.
* Used Microsoft **Entity Framework** to create data access layer.
* Extensively used **LINQ to SQL** and **LINQ to Object** to access data from Database.
* Implemented the WPF **Routed Events**.
* Involved in creating **User Manual** and performing **training** for knowledge transfer.
* Perform unit testing.

**Environment:**

Visual Studio 2013, .NET Framework 4.5, C#.NET, TFS, Web services, WCF Services, LINQ, Entity Framework, WPF, XML, SQL Server 2012.

**Hartford Insurance Group, Great Neck, NY May 2013 – July 2014**

**.Net Developer**

**Insurance Management and Service System**

Insurance Management and Services System provides industry, customer and stakeholder services to users. The system is built in the Incremental Modular structure. Customer Relation Management, Re-insurance, information to actuaries, Risk and Inherent Risk management, Enterprise Resource Planner, Change Management, detailed Information System, Flexibility Competence Maturity Model and decision support are the main modules that define the infrastructure of application. It provides customer services such as Online loading and Appointments, Card Services, and Online Insurance Information Services.

**Responsibilities:**

* Implemented Enterprise Specific Business Rules and Procedures into appropriate business logic components such as code libraries and APIs in **C#**, **Stored Procedures** in **SQL Server 2008** using **T-SQL**.
* Designed and Implemented **ASP.Net Web Forms** and Class libraries for business and data persistence logic using **C#** as the programming language. Various **Server and Custom Controls** were used for user interaction.
* **Forms Based Authentication** was implemented and **ASP.Net Validation Controls** were used for user validation. Implemented user state through **User Session** and **Application Page** objects, deferred session state was built to store and retrieve session information of users.
* Implemented data retrieval using **ADO.NET.**
* **MS Visio 2013** was extensively used to incorporate changes in the requirements and update on the project schedule.
* .**NET Remoting** was used for remote data access and storage. Component ware from older application were reused and accessed to incorporate their business logic as part of newer application.
* Used Visual Studio Team System (VSTS) for managing the documents and source code versions.
* Created Test Cases using **NUnit** for unit testing and documented the trouble shooting. Identified design related issues as hurdles in the system performance and implemented corrective measures by facilitating the data cache and **OO patterns**.
* Implemented Custom Diagnostic Utility for Application specific **trace** and **debug**. This was done by making use of the diagnostic utilities provided by the **System. Diagnostic** namespace to trace and debug the **ASP.Net** based pages.
* Added notification mailers to send e-mails regarding particular schedules, appointments and notification items via **SMTP Mail.**
* Performed unit testing with VSTS and NUnit, use of a standard build process, and implementation of configuration management.
* Extensive use of the **Calendar** and **Data Grid** controls for display and date selection. Extended the functionality of the calendar control to make it possible to display and work with the scheduling of different appointments scheduled in each month.
* Implemented **windows authentication** for the Administration Services. Wrote Custom Error trapper and logger to trap errors and look for Security Exceptions and converts them into **401 codes.**

**Environment:**

ASP.Net 4.0, C#.Net, ADO.Net, SQL Server 2012, TFS, Visual Studio 2012, IIS, XML, MS Visio 2012, UML, .NET Remoting Services. VSS, JavaScript.

**M&T Bank, Buffalo, NY Jan 2012 – April 2013**

**.Net Developer**

**Pay Link Corporate Management System**

This project is automated in the telecom for the internal banking system for Telecom administrator. This handles the payments and receipts of Telecom through M&T. It is tie-up to M&T. I worked on this project for Encryption and Decryption of Data, Payments system and Reconciliation Modules, all the reports produced in ASP.NET. They used VB.NET programs for Security Management and ASP.NET for doing the Administrator part. Payments also done by ATM Transactions. GUI based multithreaded and Unicode application were used to issue commands directly to the ATM machine through the GUI, format the data suitable to the device, execute the command, receive the response and display it as per user’s query.

**Responsibilities:**

* Requirement **analysis** and **design document** preparation.
* Developed user interface using HTML and validations with the help of JavaScript.
* Developed Business and Data tier using**ASP.NET, C# and ADO.NET.**
* Developed re-usable components for **Error handling, UI validation** and database wrappers for the project.
* Provided custom validations in **ASP.NET**& Client side validations using **JavaScript.**
* Dynamic web pages were created with **ASP.NET** using **VB.NET.**
* Involved in writing **SQL Server Stored Procedures** and **Triggers** using **T-SQL.**
* Wrote complex SQL Queries using Joins, Group and Order by Clauses and aggregate functions.
* Done validation for the user response.
* Involved to create external style sheets for application.
* Extensively used Microsoft Visual Studio.NET to develop the **ASP.NET using VB.NET** code.
* **C#** is the programming language used in the coding part.
* Used **ADO.NET** for database connectivity, storage and retrieval on **MS-SQL SERVER.**
* Used **ADO.NET** and Data object such as **Data Adapter, Data Reader,** and **Dataset.**
* Used **Microsoft Visio** for graphics and other representation.
* Performed unit and integration testing, testing of database, query optimization and performance.
* Managing source using **Visual Source Safe (VSS)** control.
* Performed Unit testing and continuous integration testing before updating for UAT.

**Environment:**

.NET Framework 4.0, ASP.NET, VB.NET, TFS, ADO.NET, XML, HTML, CSS, JavaScript, Visual Studio 2010, SQL Server 2008, T-SQL, Windows 7, SOAP and Visual Source Safe (VSS).

**Verizon Telecom, Atlanta, GA Apr 2010 – Dec 2011**

**.NET Developer**

**Responsibilities**:

* Understanding of the requirements & designing the business services to map with the existing business processes.
* Participated in Architecture Review meetings along with the System Architect and helped in resolving architectural issues and developed performance benchmarks.
* Developed Interactive UI Screens using **ASP.NET, CSS, Net Advantage Infragistics** and **AJAX** controls.
* Implemented **MVP** Pattern commonly known as Model, View and Presenter inorder to have a clear separation.
* Made Extensive use of **LinqtoSQL** and other .net 4.0 Framework features.
* Use of Master Pages and Site Navigation controls for Administration and control of the project.
* Used XML Parsers for parsing XML documents.
* Implemented Business Service layer as **WCF** Service designed as a SOA based architecture.
* Involved in the development of auditing and logging modules at database level.
* Actively involved in creating SQL stored procedures for database operations.
* Involved in **unit testing** of application’s business rules.
* Used **TFS** towork in a team environment.

**Environment:**

Microsoft.NET Framework 4.0, TFS, Visual Studio. NET 2010, C#, ASP.NET 4.0, WCF, Web Services, SOAP, UML, XML, XSLT, SQL Server 2008, MS-IIS.

##### Norwood Promotional Products (NPP), Norwood CA Feb 2008 – Apr 2010

##### .Net Developer

Norwood Promotional Products is the hard goods supplier of promotional products. In order to bring the company business online, the company requested a web application to show the company’s catalog. The website showed the product categories, product pictures, and some products information.

**Responsibilities:**

* Created **ASP.Net** pages and Class Libraries containing code for business and data access logic using **C#.Net.**
* Migration of existing application (**HTML and ASP** code) to **ASP.NET** application using C# .Net.
* Interruptions in the code flow were taken care of by using the exception handling features provided by the .Net Framework. Structured Exception Handling was used through the**Try, Catch, Finally blocks.**
* Used ADO.NETobjects such as **SQLDataAdapter**, **SQLReader**, **SqlConnection**, and **Dataset** objects to retrieve and update data to the database.
* Used SQL server 2008 as data-sources and wrote stored procedures and SQL queries.
* Generated reporting services graphs and reports to view the survey data by using SQL Reporting Services.
* Involved in reviewing the stored procedures and database schemas.
* Involved as a team member for the system development proposal.
* Involved as a team member in developing the software requirement specifications, test cases and designing modules.

**Environment**:

C#.NET, SQL Server 2008, ADO.Net, ASP.NET 3.5, SQL Server Reporting Services.

**EDUCATION**

* Bachelor's degree in Computer Science, University of Asmara, Eritrea, (2007)