**Karthik Pesati**

**[pesatikarthikreddy11@gmail.com](mailto:pesatikarthikreddy11@gmail.com)**

**(470) 6583676**

**PROFESSIONAL SUMMARY:**

* Over 6+ Years of Professional experience in Requirement Analysis, Designing, Debugging, and Development of web applications using **ASP.NET WEB FORMS, ASP.NET MVC**, **and Angular JS** Window based applications using **WPF**, **WINDOWS FORMS**, C**#.NET**, **SQL Server**.
* Technically expertise in developing applications using Microsoft Technologies such as .**NET Framework**(4.5/4.0/3.5/3.0), **C#.NET**, **VB.NET**, **ASP.NET**(4.0/3.5/3.0), **ADO.NET**, **AJAX**, **WCF, Web API**, Web Services and **Visual Studio**(2005/2008/2010/2013/2015).
* Experience in working with Banking, Health Care, Finance, Retail and Insurance domains.
* Proficient in using **ADO.NET** to interact with databases like **SQL Server** (2014, 2012, 2008 R2, 2008, 2005) by using objects such as Data Adapter, Dataset and Data Reader.
* Have extensive experience in web Designing and prototyping ,Development of user interfaces using **HTML, HTML5, CSS, CSS3,Bootstrap,JavaScript,AJAX,Json,JQuery,AngularJS**.
* Experience in using **LINQ** and **ADO.Net**, **Entity Framework** (ORM model) to query the database and to create **stored procedures, triggers and functions** for the report generation.
* Used Microsoft Application building blocks such as Exception Handling, Reflection, Serialization, User Interface Process, Data Access, Caching and Configuration Management Application Blocks.
* Experience in working CICD tool like Jenkins.
* Worked extensively on Database design, **stored procedures**, **functions**, **views, Indexes** and **triggers, archiving** for data manipulation using **SQL Server**.
* Extensive experience in **development** and **optimizing of Queries** using **SQL Query Analyzer, Stored Procedures** and **Triggers.**
* Used **ADO.NET,Ado.Net Entity Framework** to access Oracle database and SQL Server in transaction and Good knowledge on Windows Azure Cloud Computing Platform & Services.
* Expertise in creating different layers for project architecture like. **Logging Layer, Exception Layer, Service Layer and Data Access layer** by using **SOILD** principle.
* Implemented couple of Design patterns like Repository Pattern, Unit of Work, and Facade design pattern, Dependency Injection (Unity, spring), Singleton Pattern, Factory Pattern.
* Implemented windows service for automating xml file processing received through web services.
* Worked in Test Automation using Selenium Web drivers also executed selenium test cases, regression testing and reporting defects.
* Experience in continuous integrated build and testing and deployment using Hudson and Jenkin.
* Extensive experience in developing and consuming **Web Services** using **WCF, REST based Services, Web API.**
* Created Entity classes, relationships between entity classes using **LINQ (Language Integrated Query)** to **SQL** to manage relational data as objects with **Entity Framework.** Working experience with **third party tools** and API like **WaitIn , OpenCV, Log4Net, Auto Mapper Telerik Web control, Infragistics control for windows application, Enterprise Library**.
* Implemented **MVVM** design pattern using **Knockout JS** and **AngularJS** for achieving Rich User Interface.
* Experience in making Responsive Web Pages using **Media Queries**, MVC .net framework and **Bootstrap**.
* Experienced in **BI - SSIS , SSRS, SSAS.**
* Experience in reports development using SQL Server Reporting Service **(SSRS)** and **Crystal Reports** and integrating packages using SQL Server Integration Service **(SSIS)**.
* Designed **UML** Diagrams, **ER** Diagrams and Data Flow Diagrams using MS Visio.
* Experience in designing the automation framework using Perl and Shell scripting.
* Excellent knowledge in developing and consuming, calling, transmitting and processing **Web Services** (**SOAP, REST full,** and **WSDL**) and WCF services, Silver light enabled **WCF** services to access data from the back-end server into applications.
* Experience in using Source Code and **Version Control tools** like MS Visual Source Safe (**VSS**), Team Foundation Server (**TFS**), ClearCase, **GIT** and Sub Version (**SVN**).
* Experience with Test-Driven Development (TDD) like **N-Unit** testing frameworks
* Experience in **Agile (SCRUM)** development process, **Waterfall** and Test Driven development **(TDD)** methodologies.
* Used **Windows PowerShell** for configuration management and task automation.
* Involved on migrating **SQL Server databases** to **SQL Azure Database** using **SQL Azure Migration Wizard.**
* Expertise in understanding user requirements and translating business requirements into technical solutions with excellent problem solving and troubleshooting capabilities.
* Highly experienced in development custom software development experience using various Microsoft Technologies like **C#.NET,ASP.NET MVC 5.0,WCF,WebAPI2.0,SPA**.

**TECHNICAL SKILLS:**

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| --- | --- |
| Programming Languages | C#.Net ,VB.NET, C++ |
| Web Technologies | ASP.NET 4.5/4.0/3.5/3.0/2.0, ASP.NET MVC 5.0/4.0/3.0,Silverlight 4.0/3.0, Ajax,HTML, Javascript,Jquery, Angular JS, knockout.js,VB Script. |
| XML Technologies | XAML, XML,XDOCUMENT,XSLT, XPATH, XSL, LINQ to XML |
| Project Architecture | N-Tier Architecture with Multiple Layers, MVP, MVC, MVVM |
| .Net Frameworks | .Net Framework 4.5/4.0/3.5/3.0/2.0/1.x |
| Database | SQL Server 2005/ 2008/2008R2/2012/2014, TSQL, Oracle, MYSQL, M.S Access |
| Database Technologies | Ado.Net, LINQto Sql, LINQ to XML, Ado.Net, Entity Framework 3.5/4.0 |
| Reporting Tools | Crystal Report, SSRS, SSIS |
| Test Frameworks | NUNIT, MBUNIT, MOQ Framework, NSubtitute |
| IDE Tools | Visual Studio 2015/2013/2012/2010/2008/2005, Sql Server Management Studio |
| Design Pattern | Singleton, Factory , Repository, Unit of Work,façade,Observer |
| Third Party Tools | Enterprise Library 5.0, Infragistics window and web control, Radcontrols,  Telerik Controls for Web, Log4Net |
| UI Technology | Winforms,WPF, Jquery UI, Kendo UI |
| SOA Technology | WCF, Web Services,WebAPI |
| Version Control Tools | Visual SourceSafe, SubVersion, Team Foundation Server(TFS),GIT |
| Application Servers | IIS Express,Microsoft IIS(7.0/6.0/5.0/4.0) |
|  |  |
| Modeling tools | UML,MS Visio 2010/2007 |

**PROFESSIONAL EXPERIENCE:**

**Multiplan Inc, Waltham, MA July 2016- Sept 2017**

**Role: Senior .Net Developer**

**Responsibilities:**

* Involved in designing graphical user interface (GUI) for web forms and in Requirement gathering, development, testing and deployment stages.
* Designed various pages using **ASP.NETMVC (4.0), HTML5, and CSS3**, Angular JS in the project and Used **Entity framework** to improve the overall performance of the application.
* Implemented responsive design web pages using **bootstrap** and JavaScript for front end development.
* Developed solutions for diverse programming scenarios using C#, employing Object Oriented Programming (**OOPS**) concepts such as: encapsulation, inheritance, polymorphism,    and abstraction and Design patterns **MVC**.
* Experience in SQL joins, sub queries, tracing and performance tuning for better running of queries.
* Involved in Bug Fixing and Unit testing.
* Used **ASP.NET** Validation controls, User Controls, Custom controls, Server Controls, Data Grid controls, and CSS controls, Angular JS, JQuery, and Master Pages to present data to users in a much comfortable environment.
* Created **REST Based** Web services which are used in different bindings to make it available to different types of clients.
* Utilized **Entity Framework** technology extensively for data retrieving, querying, storage and manipulation.
* Responsible in creating dynamic web pages using **ASP.NET 4.0, WinForms, Web Forms**, User Controls and Validators and AJAX framework to obtain partial updates and fast response time.
* Developed and Executed Test Scripts using Selenium WebDriver, TestNG, analyzed Test Results.
* Implemented **Stored Procedures**, Views, Indexes and User Defined Functions to retrieve the data from the central database **SQL Server 2012**.
* Used **JQuery** for validation and handling events**, CSS3** for page styling.
* Developed several packages and procedures using **PL/SQL** as a client to connect Oracle11g for implementing business rules.
* Extensively used Selenium (data-driven, XPath locator) and Watir Web Driver to test the web application.
* Responsible for **AngularJS** as a development framework to build a single-page application.
* Performed VB Scripting in Selenium for automating the testing process.
* Developed **AngularJS** factories for the services and consumed the services in the controllers.
* Developed Razor views with strongly typed view models and helpers and partial views using ASP.NET MVC4, **CSS3** and C #.
* Performed **Unit testing** and done integration testing for service layer and for performance profiling.
* Expertise in AJAX calls and **JSON and XML** for passing objects from Controller to View and vice versa.
* Developed Web API Services using **SOAPUI** to return JSON to end client.
* Designed and Developed reports based on requirements using SQL Server Reporting Services and deployed them.
* Implemented **SSIS** for **data migrations** from flat file sources like XML, CSV, Excel files.
* Used Team Foundation Server **(TFS)** for managing the source code.
* Worked in Test Driven Development (TDD) Environment and on **Service Oriented Architecture(SOA)** for developing application.
* Daily and weekly order details, fraud call details are implemented using **SSRS**.
* Experience in using **Agile (Scrum)** Methodology for rapid and more disciplined development during implementation.

**Environment: Visual Studio 2015,C#,.Net Framework 4.5,VB.Net, Web Services SOAP, JavaScript, JQuery,ASP.NET MVC 4.0, Angular JS, Selenium, Windows Azure, HTML,CSS, Entity Framework, AJAX, XML, SQL Server 2012,SSIS,SSRS, Windows, Team Foundation Server (TFS).**

**eviCore Health Care, Bluffton SC** **July 2015- June 2016**

**Role: Senior .Net Developer**

**Responsibilities:**

* Involved in different phases of SDLC from gathering requirement to testing of Web Application and Web Services.
* Implemented DAL using **ADO.NET Entity Framework by using repository and Unit of Work design pattern** to store and retrieve database information.
* Developed **ASP.NET MVC 4** applications using Code First Approach in **Entity Framework 4.0** and UI in **Razor** View Engine.
* Developed the Reusable UI Components like Master Page Layouts, **Razor Views (CSHTML), Partial Views (User controls)**  for **User Interfaces** using **ASP.NET MVC and C#.NET** as backend programming language.
* Programming the components using C#,VB.Net, Java Script, VB Script
* Implemented Logging layer with the help of Log4Net.
* Created development code library for WinForms applications using native .NET components to establish object oriented design architectures.
* Performed database operations on SQL Server 2012 to create and maintain customer’s information by creating SQL queries, stored procedures, functions, triggers and views using T-SQL.
* Involved in developing selenium automation framework using TestNG.
* Developed UI using HTML5, CSS3, Bootstrap, JQuery, Angular Js and JavaScript for interactive cross browser functionality and complex user interface.
* Use JQuery Ajax for building faster responsive web application
* Designed and developed SQL Server Analysis Services(SSAS)
* Used Hybrid Framework of Selenium to get data from Excel.
* Extensively used the **LINQ** feature in .NET for querying collections and integrating with SQL.
* Worked with **REST** based services using **MVC 4.0** and **WEB API** and created new model classes in **Web** **API** to hold the data and implemented Security based on token.
* Suggested & implemented improvements for the weaknesses identified in the QA Processes, Web testing and Selenium Automation.
* Worked in all layers of the web-application, which includes Presentation (UI), Business (Middle) and Data Access Layer.
* Develop reports using complex formulas and to query the database to generate different reports using **SSRS**.
* Implemented Proxy design pattern for handling the request coming from the client application in **WCF Services**.
* Involved in **Unit Testing** and **Integration Testing** of the entire application.
* Created design doc with the help of tools such as Microsoft Visio.
* Designed and developed several SSIS packages to transfer the data between the different environment systems and/or export the data to other applications.
* Implement web enhancements for the new requirements and working on day-to- day application development tasks and other maintenance activities.
* Experienced in Software Configuration Management, setting up company Version policies utilizing **GIT.**
* Involved in Daily Scrums, Sprint planning, review and retrospective meetings on Agile Environment.
* Manage tickets in JIRA and prepare iteration planning for each release.

**Environment: ASP.Net MVC, .NET Framework 4.5, ADO .NET Entity Framework, C#, Selenium, JavaScript, Web API, JQuery, Angular Js, HTML5, XML, CSS3, Bootstrap, AJAX, SQL Server 2012,Auto Mapper, Enterprise Library 5.0,Unity Container ,GIT, SSIS, SSAS ,SSRS, Windows 7, Visual Studio 2015.**

**Citi Bank, Warren NJ Jan 2015- June 2015**

**Role: .Net Developer**

**Responsibilities:**

* Worked on application **development**/**enhancement** projects using **ASP.Net**, **C#**, **VB.Net**, **IIS**, **Word Mail Merge**,**ADO.NET**, **oracle DB (SQL, SQL plus, PL/SQL), JavaScript/jQuery** and **SQL server** database including **DTS/SSIS** packages.
* Created/updated/fixed backend **SSIS** packages using SQL server business intelligence studio for various combinations of data processing, data flow, import/export, FTP & batch processing tasks.
* Used **Oracle TOAD** with **SQL & PL/SQL** procedures and functions utilizing conditions, cursors, exception handling & complex SQL joins to interact with backend data for business processes.
* Worked on the **Design, Architecture, development, packaging** & **deployment** of new production enhancements and fixes to organization's application systems using **object oriented technologies and waterfall model**.
* Used SSRS to create reports, customized Reports, on-demand reports, ad-hoc reports and involved in analyzing multi-dimensional reports in SSRS.
* Involved in implementing client side functionalities using JQuery, Backbone and also involved in creating CSS classes for the application.
* Extensive experience in development of windows based application using **MVVM** pattern in **WPF** where **dynamic bindings** and data templates used.
* Used Crystal Reports for Reports generation and RESTFUL Service API using WCF 4.0 which return XML.
* Used **nHibernate**, **WPF** and **WCF** to communicate between **DAL** and other business components.
* Implementing windows authentication using **IIS 7** server, Microsoft Active Directory service domain identities and other windows Accounts to identify users.
* Extensive use of XML features of T-SQL for maintaining xml data based on XPath queries and reading XML documents storing data in the relational database using various methods.
* Used SMTP mail class of .NET for users to send mail with suggestions, receive any alerts, receive confirmation notifications etc.
* Developed Test cases from **AJAX** **jQuery** calls to **WCF** services from a client side **JavaScript** page Used Windows **API** to manage the users from Active Directory.
* Experience in creating web applications implementing multithreading for better use of system resources.
* Implemented Bootstrap in developing web enabled applications and Involved in Agile methodologies.
* Coded the server side with Multi-Threading concept to create multiple threads for calling the web services and posting the results to the database.
* Designed and developed several SSIS packages to transfer the data between the different environment systems and/or export the data to other applications.
* **Tested** application code by unit testing, integration testing and end user testing.
* Maintained version control and was assigned tasks using Team Foundation Server (**TFS**) and documented the entire application
* Working with testing team on production issues and implement resolutions.

**Environment: Visual Studio 2012, ASP.NET 3.5, C#, VB.Net, T-SQL, SQL Server 2008 ADO. NET, Web services, IIS, XPATH, Oracle 11g DB, SQL, PL/SQL, JavaScript/jQuery, and TOAD .**

**Safeway Insurance, Chicago IL Nov 2013 - Dec 2014**

**Role: .Net Developer**

**Responsibilities:**

* Used advanced level of **HTML, XHTML, AJAX, JQuery, JavaScript, CSS and CSS** layouts.
* Implemented WPF to create attractive and effective user Interface using XAML Document.
* Used LINQ provider which will be exposed to the user and will be responsible for building and Developed, configured and consumed Web Services in C#.net.
* Used XML, SOAP, Web Services, XSL and XSLT for inter operable software applications.
* Involved in creating Windows Forms with numbers of Visual Studio standard controls and components for UI.
* Developed System Services **SOA** application platform utilizing **Webservices** for use by all web applications.
* Extensively worked on WinForms using C# which involved Multithreading.
* Extensively used ADO.NET to build query-driven applications.
* Used Grid Views, Form Views, Details View and Object Data Sources extensively.
* Used ASP.NET AJAX Toolkit controls like Script Manager, Update Panel and Modal Popup Extender within some web pages.
* Used Generics extensively in C# and ASP.NET Menu Controls.
* Experience in working with SVN for Source Control.
* Involved in designing Web forms using Server Controls, User Controls using C# as code behind language for entire application.
* Worked on SSRS (SQL server Reporting services) and Microsoft SQL Server services, including SSAS (SQL Server Analysis Services) and SSIS (SQL Server Integration Services).
* Designed multi-tier .NET framework solution for converting programs from Legacy system VB and ASP.NET.

**Environment: Visual Studio 2010, ASP.NET3.5, AJAX1.0, Java Script, JQuery, HTML, CSS, XML, ADO.NET,C#, Win Forms, SQL Server 2008, SSIS, SSAS, Server Reporting Service.**

**Harland Clarke, San Antonio TX Nov 2012- Oct 2013**

**Role: .Net Developer**

**Description: :** Expressionery is a retail stationery application for all occasions and this application provides merchandising, marketing, content personalization, automated recommendations, and live-help services.

**Responsibilities:**

* Developed the initial architecture and design of the application.
* Involved in creating different modules of the web site as Admin and User and
* Designed and implemented a 3-Tier application architecture including the Presentation, Business and Data Access Layer.
* Developed GUI of the Modules is using ASP.NET, HTML, XML, and XSLT.
* ASP.NET web pages are validated at server side using custom validations.
* Involved in designing the layout of User interface using Visio and Class diagrams using UML.
* Implemented client side functionalities using JavaScript, CSS, and AJAX. Used validation controls for client side validations in ASP.NET.
* Wrote complex stored procedures to communicate with the SQL Server database.
* Created Clustered and Non-Clustered Indexes to improve the performance of the SQL queries.
* Used Visual SourceSafe Version control tool.
* Implemented Data Access Layer using ADO.NET to connect and retrieve or manipulate database information.

**Environment: Visual Studio 2008, ASP.Net 2.5, C#, ADO.NET, SQL Server 2005, Web Services, AJAX, Java Script, HTML, DHTML, XML, XSLT, Crystal Reports.**

**ICICI Bank, India May 2011- Oct 2012**

**Role: .Net Developer**

**Responsibilities:**

* Designed and developed n-tier architecture framework to leverage the total development process
* Designed and implemented application using **.NET** Framework **3.0.**
* Implemented Web Services and application security using **.NET**
* Customized Menu, Label, Toolbar, Grid View Columns Using Custom Controls
* Worked in Serialization and De- Serialization of **XML** to transmit the data
* Worked extensively on **web forms** and data binding controls like Grid View, Data List and drop down and Mapping page fields to the database fields.
* Worked ion **MVVM** Model to make two way data binding in **WPF.**
* Involved in developing rich user Interface and Animations for **WPF** Applications using **XAML**.
* Writing Queries using **T-SQL** statements, views, user defined functions, stored procedures, Triggers for **SQL** Server to insert/ update/ delete data into relational objects.
* Involved in developing class library using **C#.Net** for **3-tier architecture**.
* Used **ADO.NET** such as Data set, Data Adapter, Data Reader to hold data which is coming from data access layer.
* Created business object and data access classes using **C#.Net**, **ADO.NET** built-in libraries.

**Environment:** ASP.NET, ADO.NET, SQL Server 2005, UML in MS Visio, HTML, WPF, XAML, TFS, CSS and Visual Studio .NET 2010.