**Divya Lavu**

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**.NET Developer**

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**PROFESSIONAL SUMMARY:**

* Over 8+ 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.
* 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.
* 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**.
* 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.
* 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**), **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:**

**HealthSource Distributors, Baltimore MD**

**Role: Senior .Net Developer**

**July 2016- Till date**

**Description:** Healthsource is one of leading customer focused pharmaceutical supplier. They currently serve thousands of independent pharmacies, LTC’s and warehousing chains. This application provides information regarding Pharmacy Customers, Shipping and products Purchase details. It has various modules: Receiving for Purchase Orders and sales orders and Return Orders.

**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 in **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.
* 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.
* Used **AngularJS** as the development framework to build a single-page application.
* Developed **AngularJS** factories for the services and consumed the services in the controllers.
* Developed custom directives and consumed those in controllers for validating user controls and custom validations.
* Consumed asynchronous services using **$q** in controllers in the client application.
* Used route provider for routing the controllers with Templates in single Page Application.
* 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.
* 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.
* Experience in using **Agile (Scrum)** Methodology for rapid and more disciplined development during implementation.

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

**eviCore Health Care, Bluffton SC**

**Role: Senior .Net Developer**

**July 2015- May 2016**

**Description:** The project was created to keep track of patient details with creating web pages using .Net Technology. The web interface was developed to search pages for patient information, adding and deleting patient information. This web interface was developed for various departments of the hospital like patient registration, create appointments, consultation, message board, and billing and follow up, Nursing Notes. It also includes reports, which makes physicians refer the patients. This application is useful to track the information for both physicians and staff.

**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.
* Implemented Logging layer with the help of Log4Net.
* 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.
* Consumed **AngularJS** built in directives to bind the data, filter, customization.
* 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
* 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.
* Worked in all layers of the web-application, which includes Presentation (UI), Business (Middle) and Data Access Layer.
* 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#, JavaScript, Web API, JQuery, Angular Js, HTML5, XML, CSS3, Bootstrap, AJAX, SQL Server 2012,Auto Mapper, Enterprise Library 5.0,Unity Container ,GIT, Windows 7, Visual Studio 2015.**

**Citi Bank, Warren NJ**

**Role: .Net Developer**

**Jan 2014- June 2015**

**Description:** Wealth management system (WMS), the project involved development of a web based application used to update the customer details. This system is highly secured and allows only authorized users to create new bank accounts and reconciles checks. Application has many reports like Stop/void checks Report, Re-printed checks report, Manual entries, user activity and many more.

**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.
* 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.
* Used **AngularJS** as the development framework to build a single-page application.
* Used **Angular JS** as the development framework to enhance the legibility of the code.
* 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#,Angular JS, 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**

**Role: .Net Developer**

**Nov 2012 - Dec 2013**

**Description:** Claims PaymentSystem (CPS) was developed as Internet web application. This application contains 15 different web pages such as User dashboard, Admin settings, Find claims, Report builder etc. Any customer can call the agent for reporting the claim, checking the status of the claim, and signing up for a Policy

**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.
* 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, Server Reporting Service.**

**Harland Clarke, San Antonio TX**

**Role: .Net Developer**

**Nov 2011- Oct 2012**

**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**

**Role: .Net Developer**

**Sep 2010- Oct 2011**

**Description:** This project aims at recreating a secure and convenient Internet banking system. First time users should setup an access to the online banking system and later on sign in using the identity. This system provides a complete view of personal accounts viz. savings and checking, loans and investments.

**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.

**Info Systems, India**

**Role: .Net Developer**

**June 2008- Aug 2010**

**Description** This is a comprehensive and integrated Hospital Management System for a Super Specialty Hospital. This package is used to computerize the activities of a servicing system. This package contains four modules. They are Administration, Patient Care System, Health Services and Auxiliary Services. Each module is having sub modules with in this sub modules will maintains storing, registering, details of joining patient details, and over all day activities maintains one particular database.

**Responsibilities:**

* Involved in the study of the existing process and gathering requirements.
* Worked on Object Oriented Analysis and Design and on C#.NET for building classes.
* Developed ASP.Net web pages using HTML,CSS and User controls.
* Designed and developed code using VB.Net, ADO.NET performing data entry.
* Responsible in creating CSS based layouts defining Accessibility, Usability & Browser Compatibility for achieving uniformity through all the web pages.
* Involved in designing complete database objects like Tables, Views, Stored procedures, and triggers using SQL server.
* Worked on .NET LINQ for developing SQL Server Objects.
* Developed custom reports using Crystal Reports.

**Environment:** Visual Studio 2005, ASP.Net 2.5, C#, SQL Server 2005, Web Services, ADO.Net, VB.NET, HTML, XML, LINQ, Crystal Reports.