Shiva Jagarlapudi

(219) 315-0860

[shivajagarlapudi@gmail.com](mailto:shivajagarlapudi@gmail.com)

**Professional Summary:**

* Around 7 Years of professional experience in Information Technology with experience in complete Software Development Life Cycle including Analysis, Design, Development, Packaging & Deployment and Configuration.
* Experience in designing, coding, implementation of Internet/Intranet Applications using **ASP.NET, ASP.NET MVC 5/4.0, and C #.NET, VB.NET, ADO.NET, LINQ, Microsoft SQL Server and IIS 7.0 (Internet Information Services).**
* Experience using **Object Oriented Analysis Design** (OOAD), **Object Oriented Programming** (OOPS).
* Good working experience with ADO.NET objects such as **SQL Connection, SQL Command, Dataset, Data Reader and Data Adapter Objects in Web applications and Win form applications**.
* Integrating **REST API & Web services** on ASP.NET Framework. Experience in **ORM LINQ (Entity Framework)**.
* Experience building/managing Web Apps using ASP.NET Web Forms, MVC (Razor/ASPX engine).
* Experience in building and consuming .NET Web Services using **SOAP and REST**.
* Experience in working with Web Forms, User Controls and Web Controls using **Angular JS, C#.NET, HTML5, CSS, CSS3, XML, JavaScript in Visual Studio.**
* Expertise in AngularJS controllers, directives, components, factory and service resources, routings and events. Expertise in DOM manipulation using JavaScript, jQuery and AngularJS.
* Experienced and Knowledgeable in utilizing the new features of ASP.NET versions like **Windows Communication Foundation (WCF).**
* Proficient in writing Stored Procedures, Cursors, Triggers, Views, User Defined Functions, Complex Query joins using T-SQL, PL/SQL, Performance Tuning and Optimizing SQL Queries.
* Strong Reporting Services experience in developing web/client server reports using reporting tools like **SSRS, Adhoc Reporting, Crystal Reports 7.0 and Crystal web reports** for .NET.
* Expert in **Extraction, Transforming and Loading (ETL)** data flows using SSIS; creating mappings/workflows to extract data from SQL Server and Flat File sources and load into various Business Entities.
* Experience on **migration** of legacy applications to new technology.
* Knowledge of implementing .NET Security Model using Role Based security and Code access security. **Authentication and Authorization through Windows Authentication, Form Based Authentication, Passport Authentication and Impersonation.**
* Experience in Integration testing, writing Test cases, Test plans, Bug analysis and fixes.
* Experience in Microsoft testing tools like **NUnit** to run the test parallel to console runner within the Adapters.
* Good Knowledge in using **Team Foundation Server 2010 (TFS)** and **Visual Source Safe VSS 6.0** for Version Control.
* Worked on Migration of SQL Server and strong knowledge of SQL server ETL development.
* Experienced working in **Agile methodology**, and **Test-Driven Development (TDD)**, conducting Code/Test Case review meetings, participated in daily **SCRUM meetings**.
* Experience in production support, ITSM, Problem Ticket, Problem Review Board/Meeting, Service Request, Change Request, Incident, Remedy, and Heat FrontRange.
* Quick learner and easy to adapt modern technologies that helps to improve the business costs.

**Technical Skills:**

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| **Languages** | **C, C#, VB.NET, SQL.** |
| **Framework** | **.NET Framework 3.5/4.0/ 4.5.** |
| **Database** | **Oracle Database, SQL Server 2008/2012/2016, Teradata** |
| **.Net Technologies** | **AJAX, ASP.NET, ADO.NET, Web Services, LINQ to SQL, Entity Framework, WCF.** |
| **Architectures** | **N-Tier, MVC (3.0, 4.0,5.0), Microservices** |
| **Web Technologies** | **ASP, HTML/HTML5, CSS2/CSS3, JavaScript, Bootstrap, JQuery, XML, XSL, AngularJS.** |
| **Development Area** | **Microsoft Visual Studio, SQL server management studio.** |
| **BI Tools** | **SSIS, SSRS,SSAS** |
| **Project Methodologies** | **Waterfall, Agile (Scrum)** |
| **Versioning** | **Microsoft Team Foundation Server.** |
| **Operating System** | **Windows 2000, Windows XP, Windows 7/8/10.** |
| **Office Tools** | **MS-Excel, MS Word, MS PowerPoint. MS Outlook.** |

**Professional Experience:**

**ALSAC/St.Jude Children’s Research Hospital, Memphis, TN Jan’ 2017 – Present**

**.NET /Sql Developer**

The American Lebanese Syrian Associated Charities (ALSAC) is the fundraising and awareness organization for [St. Jude Children's Research Hospital](https://en.wikipedia.org/wiki/St._Jude_Children%27s_Research_Hospital). Its sole mission is to raise the funds and awareness necessary to operate and maintain St. Jude.

**Responsibilities:**

* Designed Class and use case diagrams using MS Visio.
* Developed and consumed Web Services to extract information from the database as per the business requirements.
* Designed and developed Web services using WCF technology to handle Data access layer calls.
* Implemented form based authentication and maintained Session State information throughout the web transaction.
* Involved in writing application level code to interact with Controllers and Web API’s, using AJAX, JSON and XML.
* Implemented Client and Server-side validations using JavaScript and ASP.Net validation controls.
* Used HTML, DHTML and CSS for developing Web Pages.
* Used HTML Helpers, Partial Views and jQuery UI controls (Menu, Calendar, Dialogs).
* Wrote code to fetch data from Web services using JQUERY AJAX via JSON response and updating the HTML pages
* Involved in developing Single Page Application, Implemented the Page Events such as click, change events using Angular.JS.
* Provided database connectivity using ADO.Net and created procedures, Indexes and Triggers using MS SQL Server 2008.
* Understanding existing SSIS packages working with prior system and migrating them to new database with desired enhancement.
* Extensively involved in designing the SSIS packages to export data of flat file source to SQL Server database.
* Used the ADO.NET SqlClient Objects like SqlConnection, SqlCommand, SqlDataReader and SqlDataAdapter and Dataset object in the Data Access Layer to fetch the data from the SQL Server 2008 database.
* Getting involved in the data transfer from various data sources/business systems including Oracle, MS Excel, MS Access, Flat Files etc. to SQL Server using SSIS/ETL using various data transformations components like data conversion, look up transformations etc.
* Understanding and working under test driven development TDD.
* Performed unit testing and functional testing.

**Environment:** **ASP.NET, .NET Framework 3.5, C#, Oracle, Web Services, XML, MS Visio, UML, SQL Server 2008/2016, SSIS, SSRS, XML, MS Team Foundation Server, Agile methodologies.**

**Caterpillar, Peoria, IL Jan’ 2015 – Oct’ 2016 .NET Developer**

Caterpillar is the world’s leading manufacturer of construction and mining equipment uses a global dealer network of over 220 dealers in over 180 countries to sell and distribute machinery and equipment. Caterpillar's Marketing & Brand department offers a variety of creative services to benefit the dealer network. Caterpillar now has over 12,000 users of their custom sales app called the **App Data Room**App. Dealers can display their own brand, manage their own dealer specific content, track key usage metrics of users and media with a robust analytics dashboard, generate and qualify leads at trade shows, and connect the platform with CRM, CMS and/or Marketing Automation systems.

**Responsibilities:**

* Involved in Design and Developing components of the applications using **ASP.NET, MVC, C# .NET, JavaScript, JQuery, XML, and Angular JS.**
* Analyze system and functional requirements to determine feasibility.
* Identified actors, actions, and goals for each story. Linked all stories back to customer project management system for traceability and acceptance criteria.
* Broke stories down into logical tasks and identified technical requirements for each task.
* Used **agile methodologies** in software development life cycle.
* Analyzing and creating web pages on the Website as per the requirements of the stakeholders with the help of Vignette Content Management System, HTML and Java Script across US, APAC, EMEA and Latin America regions. Tracking defects and resolving the errors on the Website.
* Implemented AngularJS Controllers to maintain each view data. Implemented Angular Service calls using Angular Factory.
* Part of this work also includes refactoring existing monolithic web services into smaller microservices.
* Implemented multiple ASP.NET Web APIs in effort to move to Microservice Architecture.
* Worked with **MVC** 4.0/5.0 architecture application using **Razor view engine** and **web API**.
* Developed Views, controllers and business logic models using C#.
* Used **LINQ to SQL** as the data provider for communicating with the SQL Server Database.
* Consumed WCF Services with ASP.NET **Ajax Client libraries**. Created WCF services with session support.
* Developed, implemented and consumed **SOAP** and **RESTful** services.
* Implemented Logging by extending Custom Action filters to handle errors, Validation & Authorization.
* Involved in preparing the Database design and Product requirements document for a conversion project.
* Extensively involved in designing of **Oracle database** which includes DML and DDL, writing Complex **Stored Procedures, Cursors**, Views, Triggers, User Defined Functions, SQL Jobs, modifying and running **SSIS packages** for Company's financial accounting.
* Used C# for coding in the **SQL script** tasks for managing the files, directories etc.
* Used **TFS** for the purpose of version Control and source code maintenance needs.

**Environment: Dreamweaver MX, Flash, Microsoft Visual Studio 2013, .NET Framework 4.5, ASP.NET,C#,ADO.NET, Team Foundation Server, IIS 7.0, SQL Server 2012,PL/SQL, Windows server 2000, Atlassian JIRA.**

**Select Health Insurance Murray, UTNov’ 2012 to Dec’ 2014**

**.NET/WPF Developer**

SelectHealth is a Health insurance company, which provides both Commercial as well as Medicare insurance plans to their subscribers. The project involved development **Financial Module for Medicare (WPF, Batch applications)** with four sub applications, Individual premium coupon, Deposit log, Bank transfer, and Pre-authorized checking, facilitating entire premium payment process. Applications where developed in WPF utilizing MVVM and Repository pattern.

**Responsibilities:**

* Developed the web forms using **ASP. NET Server controls** and Performed validation on the client side using JavaScript and Validation Controls.
* Hands on experience on writing C#.Net classes for reusability of the code using .Net 3.5 framework (.Net 2008) library.
* Involved in gathering of requirements and creation of functional specifications for the project, based on the existing use cases and new use cases proposed by the client.
* Used the **Object-Oriented Programming (OOP)** techniques and created classes (C#.NET) for database access.
* Developed **RESTFUL WEB API/WCF Web services**, APIs and other components.
* Developed database objects such as tables, views, stored procedures and user defined functions for database operations in SQL SERVER.
* Utilized **Master pages, Themes, Navigation controls, Authentication to design secure web pages**.
* Experience in working on **CSS3** settings and improve the **HTML5** elements style behavior for the UI display.
* Identifying UI and data elements using Functional specification and creating design documents for production.
* Fixed all reported defects during implementation and debugged the application within the deadlines.
* Involved in testing UI design and workflow of the application.
* Used **Exception HandlingTry, Catch**, **Finally** blocks to catch exceptions thrown. Also, maintained the configuration in Web.Config file for different exceptions.
* Designed reports using **SSRS** and integrated them in Web Application.
* Used **LINQ** to query the data retrieved from the backend through Entity framework.
* Designed **WCF** model for building secured and reliable web services for accessing the data across the real-time interfaces.
* Designed and Developed the Web page for testing the Web Service in various environments.
* Involved in debugging and testing of **WinForms** in the application using the trace and Log Files.
* Task completion in respect to Design, business logic as well as the Test cases in a sophisticated manner.
* Used agile methodology to implement the application. Migrating servers, databases, and applications from on premise to **AWS, Azure and Google Cloud**.
* Provided Production Support to troubleshoot and debug the issues during migration.
* Used **Visual Source Safe (VSS)** for source control.
* Tested and resolved cross-browser issues, Unit Testing and Documentation along with **N-unit testing.**
* Migrated applications from VB6 to VB.Net.

**Environment:** **ASP.NET, MS VS.NET 2010/2008/2003, .NET Framework 3.5,C#, Oracle, RIA Services, Web Services, XML, MS Visio, UML, SQL Server 2008, XML,VSS, Agile methodologies.**

**Deloitte Consulting India Pvt Ltd, India Aug’ 2010 to Sept’ 2012**

**Software Engineer**

The project involved development of a dashboard to help higher management assessing the current capacity of their projects, managing their finances & resources and identifying steps that they can take to improve the overall performance.

**Responsibilities:**

* Used MVC (custom written implementation of the MVC called front controller framework) using .NET Framework 3.5/4.0.
* Analyze and review the business requirements, design documents, use cases and functional requirement documents.
* Created and modified ASP.NET files like aspx, ascx files.
* Used VB.NET and C# as programming language and CSLA framework in data tier.
* Worked on **XML and XSD files using Altova XMLSpy tool**.
* Created and consumed WCF services.
* Worked on mobile sites too for the same application.
* Using **SVN** as version controlling tool and Timeless time tool for time tracking tool.
* Used Share point sites for documents collaboration and as a defect-tracking tool.
* Developed CSS for the entire application using Bootstrap **CSS** files.
* Developed various client-side functions using **jQuery**, for example: Sorting, Filtering, Client side validations, etc. and Involved in unit testing and regression testing of the application.
* Created the Binding **XML** methods, Getuserinfo and many more methods to access the data.
* Worked on creating the required workflows for the project and worked on creating DTO’s.
* Implemented progress bar and model popup using **jQuery**.

**Environment:**[**ASP.NET**](http://asp.net/)**2.0, C#, IIS5.0, Html, JavaScript, XML, XSLT, Ajax,**[**VS.NET**](http://vs.net/)**2005,SVN, Sql Server 2005 and SSRS.**

**BirlaSoft Ltd, India Sept 2009 to Jul’ 2010**

**Client: Universal Health Services, King of Prussia, PA**

**Jr .NET Developer**

**Responsibilities:**

* Worked with 3-Tier Architecture involving **Services Layer, Data Access Layer, and Business Layer**
* Extensively worked on User Interface pages (aspx) using **C#, CSS, HTML, AJAX, Java Script** and to implement complex Business Rules and Validation of front end forms.
* Implemented **Caching, Session State, and Cookie Management**, **view state, POST** and **GET**

techniques.

* Developed Business Logic layer by implementing Object Oriented Programming Language (OOPs) features like **Inheritance, Polymorphism, Abstraction and Encapsulation** in C#
* Used **Entity Framework** for database operations.
* Implementing business logic's in server side, and integrating Data Access Layer (DAL) with Business Logic Layer (BLL).
* Consumed the **WCF** services using **JQuery Ajax calls** to enable effective communication
* Worked with **Windows Workflow Foundation (WWF)** tool **PageFlowGUI** all over the project life cycle
* Worked on multiple modules in the business logic layer which had various external interface calls to services like Auto Coder, Interstate Connection Network (ICON) services and developed use cases like RTAA, Back Date Claim, Assign and Maintain TPA, DUA and few others.
* Followed **Test Driven Development (TDD)** approach.

**Environment: .Net 4.0, ASP.Net MVC 3, C#.Net, SSRS,ADO.Net, LINQ to SQL, AJAX, HTML5, IIS, MS Visual Studio 2008, Bootstrap, TDD, Win forms, TFS, CSS, Entity Framework, WCF, WWF, Windows Application.**

**Education:**

* Master of Science in Computers and Information Systems from Bradley University, USA.
* Bachelor of Engineering in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, India.