**Jagadeesh**

**Sr. Full Stack .Net Developer**

**510-854-1314**

**Senior Full Stack .Net Developer,** with **13+ years** of industry experience in application development, in the areas like: Web / Internet /Intranet technology and database environments using procedural, object-oriented and service-oriented techniques.

###### PROFESSIONAL SUMMARY

* Experience on **C#, Microservices, Angular, .Net Core, Web API, Entity Framework Core**, **Azure Cloud,** WCF, Web services, MVC, ASP.NET, LINQ, HTML, CSS, JavaScript, Jquery and SQL Server, AS400.
* Developed Powerful Single Page Application and dynamic responsive web application with Angular 12.
* Worked on creating reusable components, custom directives services and pipes in angular and used angular cli for creating component, services, pipes and Directives.
* Created Services as Dependency Injection and implemented Input, Output, View Child to do components communication and get local reference value to HTML.
* Extensively used RXJS operators and handling the data.
* Implemented NGRX store to maintain the stare of the application.
* Implemented Angular Security - Authentication with JSON Web Tokens using Web API services.
* Extensively used Components, Bindings, Observables, Reactive forms, Custom Validators, AUTH guards, Routing, HTTP Interceptors.
* Implemented test cases for Unit testing/E2E using Karma/Jasmine/Protractor tools.
* Implemented JWT Security to provide authentication and authorization to secure the Web API.
* Implemented Exception Handling in ASP.NET Web API.
* Implemented Web API Routing, Filters, Parameter Binding, Dependency Injection, and hosting concepts.
* Developed REST/WCF Web services, ASP.NET WEB APIs and involved in pre-testing using POSTMAN.
* Worked on Test Driven Development (TDD) using NUnit/Mock/MS Test Projects.
* Designed and implemented the application using Microservice Architecture for its various distinct advantages like loose coupling and design patterns.
* Experience in developing Microservices using ASP.NET core include API Gateway pattern.
* Implemented using Saga Patterns for distributed transactions within a microservices architecture.
* Created a web API with ASP.NET Core with EF core concepts and involved to implement Custom Middleware component.
* Implemented CRUD functionality with Entity framework in ASP.NET MVC and implemented sorting, filtering and paging with Entity framework in MVC.
* Expertise in ASP.NET MVC 6.0 and worked with Views, Partial Views, Strongly Typed Views and implemented Controllers, Action Methods, Filters, Routing.
* Experience on Azure Functions/Azure App Services, Service Bus Queues/Topics and Storages, ARM templates, and Webjobs.
* Worked on Durable functions (Orchestration – Function App) with Service bus queue triggers, app insights and AppServices.
* Implemented Event-Driven Architecture in the Azure Cloud.
* Experience in Continuous Integration and Continues Deployment using Azure Devops.
* Strong knowledge on C# includes OOPS concepts and Design Patterns (D.I / Repository).
* Worked on Generics, Collections, Extension methods, Linq to Objects/SQL, Auto mappers, Threading (Async/Await) etc.
* Strong knowledge on design and development of database using SQL Server.
* Having strong knowledge SQL Server database design, maintenance, T-SQL queries, functions, stored procedures, cursors, indexes, views and triggers etc.
* Worked on SQL Server Database Security, Performance Tuning and Database Migration.
* Experience working with Agile SDLC methodology.
* Application Lifecycle Management (ALM) with TFS, Continuous Integration, Jira and Confluence and hands on experience on Bitbucket, Source tree, Redgate, Jira, Dockers

**Technical Skills:**

|  |  |
| --- | --- |
| Cloud Technologies | Azure Cloud, Microservices |
| Technologies | .Net Core, WebApi, Azure Cloud |
| Web Technologies | ASP.Net, HTML 5, SOAP, WSDL, AJAX, XML |
| Programming Languages | C#, VB.NET, HTML, CSS |
| Scripting Languages | TypeScript, Jquery, JavaScript |
| Databases | SQL Server, Oracle, AS400 |
| Version Controller | GIT, Source Tree, Bit Bucket, TFS, VSS, ClearCase, RedGate |
| Database Tools | SQL Server Management Studio. |

**EDUCATIONAL DETAILS:**

Master of Technology, JNTU 2005 and Bachelor of Technology, JNTU 2002.

**Professional Experience**

**MCL Shipping application Dec 2021 – Till now**

**End Client: Mayo Clinic Laboratories, Rochester, MN**

**Senior Full Stack .Net Developer**

**Description:**

The purpose of the MCL Shipping application is to help the Mayo Medical Labs streamline their shipping processes. MCL needs to perform shipping activities in at least two lines of business – sending packaging supplies to customers at the beginning of the business cycle and returning the customer’s biological samples to them at the end of the business cycle. The MCL Shipping application will help with both processes.

**Responsibilities:**

* Implemented reusable components/modules, custom directives services and pipes in angular and used angular cli for creating component, services, pipes, and Directives.
* Implemented Angular Security - Authentication with JSON Web Tokens using Web API services.
* Used RXJS operators and handling the data.
* Implemented NGRX store to maintain the stare of the application.
* Implemented Angular Security - Authentication with JSON Web Tokens using Web API services.
* Implemented test cases for Unit testing/E2E using Karma/Jasmine/Protractor tools.
* Extensively used AUTH guards for securely navigating, Routing, HTTP Interceptors for handling global exceptions, Logging etc.
* Implemented JWT Security to provide authentication and authorization to secure the Web API.
* Implemented Exception Handling in ASP.NET Web API.
* Developed REST Web services and involved in pre-testing using POSTMAN.
* Worked on Test Driven Development (TDD) using NUnit/Mock/MS Test Projects.
* Implemented using Saga Patterns for distributed transactions within a microservices architecture.
* Created a web API with ASP.NET Core with EF core concepts and involved to implement Custom Middleware component.
* Implemented CRUD functionality with Entity framework in ASP.NET MVC and implemented sorting, filtering, and paging with Entity framework in MVC.
* Involved to implement using Azure Key Vaults, Azure Functions/Azure App Services, Service Bus Queues/Topics and Storages, ARM templates, and Webjobs.
* Worked on Durable functions (Orchestration – Function App) with Service bus queue triggers, app insights and AppServices.
* Service Bus queue triggers using Topic and Subscription model implementation.
* Implemented Event-Driven Architecture in the Azure Cloud.
* Created Pull request and deployed the code in Azure Devops using CI/CD pipelines.
* Used Generics, Collections, Extension methods, Linq to Objects/SQL, Auto mappers, Threading (Async/Await) etc.
* Implemented in Agile/SCRUM methodology.
* Used Azure Dashboard, Jira for development and tracking issue’s purpose.
* Involved in Database designing using Normalization and Denormalization principles.
* Writing complex T-SQL queries, functions, stored procedures, cursors, indexes, views, and triggers etc.
* Fixing vulnerability issues using Veracode scan.

.

**Environment:** Angular, Azure, .Net Core, Web API, Microservices, Entity Framework Core, C#, SQL Server, Jira, TFS, SQL Server.

**Scheduling OSS API Nov 2020 – Nov 2021**

**End Client: Frontier Communications, Dallas, Texas**

**Senior Full Stack .Net Developer**

**Description:**

Frontier Communications Consistently fast Internet connections for worry-free productivity.

Scheduling API mainly helps for customers to schedule/reserve the appointment based on availability of Scheduled units. Customers have facility to cancel the existed reservations.

**Responsibilities:**

* Implemented Webapi end points with Microservice architecture using .net core code framework
* Implemented Security – Basic Authentication using WebAPI services.
* Wrote Unit test cases using Mock/ Microsoft Unit Testing framework and tested end points using Postman/ and Swagger.
* Implemented in Agile/SCRUM methodology.
* Involved in Database designing using Normalization and Denormalization principles.
* Created a web API with ASP.NET Core with EF core concepts and involved to implement Custom Middleware component.
* Replication Job and Initial Load script implemented for Schedule DB.
* Azure devops are key to deploy the code with auto builds/publishing (CI/CD pipelines)

.

**Environment:** Microservices, Azure, ASP.Net Core, WebAPI, Entity Framework Core, Angular, C#, SQL Server, Jira, TFS, SQL Server, Apigee Integration.

**eSales System (Point of Sales) Nov 2018 – Nov 2020**

**End Client: Conns, Spring, Houston, Texas**

**Senior Full Stack .Net Developer**

**Description:**

A comprehensive module that controls overall sales activities including sales territory management, customer/distributor management, discount and free goods policies, creation of sales orders, dispatches, invoice processing, recovery, advances, sales returns, debit/credit notes issuance and approvals, coupled with detailed reports.

**Responsibilities:**

* Implemented Dependency injection pattern and involved to create/subscribe the services in Angular 6.0.
* Implemented Angular Security - Authentication with JSON Web Tokens using WebAPI services.
* Implemented test cases for Unit testing/E2E using Karma/Jasmine/Protractor tools.
* Worked on Webpack Module Bundler and used Babel/SASS loaders.
* Created ASP.Net Core Webapi services and consumed those services from Angular components asynchronously.
* Developed Microservices using ASP.NET core include API Gateway pattern.
* Created a web API with ASP.NET Core with EF core concepts and involved to implement Custom Middleware component.
* Implemented using Saga Patterns for distributed transactions within a microservices architecture
* Created Azure Functions and Azure App Services, Service Bus Queues and Event Grid Subscriptions.
* Deployed Angular Application in Azure using Agents (Azure Devops) and deployed a web app by using a docker image from an ACR and Update the image, automatically redeploy the web app.
* Used Source tree, Bit bucket, Jira for development and tracking issue’s purpose.
* TDD approach for development using Karma, Jasmin and Microsoft Unit Testing framework
* Implemented in Agile/SCRUM methodology.
* Involved in Database designing using Normalization and Denormalization principles.

**Environment:** Angular 6.0, Microservices, Azure, ASP.Net Core, WebAPI, Entity Framework Core, TypeScript, Webpack, C#, SQL Server, AS400, Source tree and Jira

**Maryland Transportation Authority Apr 2018 – Nov 2018**

**Client: Transcore, Houston, Texas**

**Senior Full Stack .Net Developer**

**Description:**

E-ZPass® is an electronic toll collection (ETC) system that allows you to prepay your tolls,

Eliminating the need to stop at the toll plaza. The system has three components: a toll transponder, which is attached to the vehicle; an overhead antenna, which reads the toll transponder and collects the toll; and video cameras to identify video tolls.

The E-ZPass® system tracks your usage and account balance. A monthly or quarterly statement itemizing your toll use and account balance will be sent to you through the mail or emailed to you. You may also check your account balance using your account credentials.

For cash/check accounts, each time the prepaid toll balance drops below the low-balance threshold amount, a "low balance" message will be displayed at the lane as a reminder that the account needs to be replenished soon. Credit card accounts will be automatically charged for the replenishment amount.

**Responsibilities:**

* Implemented the code using Angular Js, TypeScript, WebApi and SQL server.
* Involved to implement the code using Typescript language.
* Implemented Dependency injection pattern and involved to create/subscribe the services in Angular JS.
* Implemented in Agile/SCRUM methodology.
* Created/Pull Docker images using docker commands.
* Created Webapi services and consumed those services from Angular Js asynchronously.
* TDD approach for development using NUnit Testing framework.
* Involved in Database designing using Normalization and Denormalization principles.
* Performance tuning using tools likes SQL Profiler.
* Worked on optimizing the web pages using C# and SQL Server stored procedures to call the application from the data base.

**Environment:** Angular JS, Webapi, Dockers, Webpack, Entity Framework, SQL Server, jQuery, Bootstrap, C#, ASP.NET, Jira, Dockers, Redgate, Containers

**Oncology Supply Ecommerce Tool July 2017 – Feb 2018**

**Client: AmerisourceBergen Specialty Group, Frisco, Texas**

**Senior Full Stack .Net Developer**

**Description**

OCS Ecommerce provides a web-based solution for performing ecommerce related tasks for customers and internal users for each division. It provides a unified interface using standard software that is ubiquitous, ensuring that all users have the latest version. It also provides capabilities for mobile devices to access the same site, maintaining a consistent user experience and reducing maintenance costs.

The application allows users, both internal and external, to place and track orders, run reports, view invoices and make payments on the web. Ordering will be available to external users on phones, tablets and desktop web browsers.

**Responsibilities:**

* Proficiency in Software Development Life Cycle (SDLC) and Agile methodologies of development process such as requirement analysis and definition, prototyping, proof of concept, designing, coding, testing and implementation.
* Interacting with the business team for discussion of the functional specifications, high level requirements and user stories.
* Implemented Dependency injection pattern and involved to create/subscribe the services in AngularJS.
* Implemented Responsive Web Design - Media Queries in bootstrap.
* Involved in ASP.NET MVC 6.0 and worked with Views, Partial Views, Strongly Typed Views and implemented Controllers, Action Methods, Filters, Routing.
* Created Webapi services and consumed those services from Angular components asynchronously.
* Application Lifecycle Management (ALM) with TFS, Continuous Integration.
* Worked with agile effective methodology for Software Development.
* Implemented using MVC with Entity framework concepts.
* Involved in Database designing using Normalization and Denormalization principles.
* Performance tuning using tools likes SQL Profiler.
* Worked in Software Configuration Management, setting up company Version policies utilizing Team Foundation Server (TFS) and used Jira and Confluence.
* Implemented in Agile/SCRUM methodology.

**Environment:** AngularJS, TypeScript, MVC, Visual studio code, jQuery, Bootstrap, WebApi, C#, ASP.NET, Entity Framework, WCF, SQL Server, TFS

**PWC Foreign Account Compliance Tool May 2015 – Jan 2017**

**Client: PWC**

**Employer: Tata Consultancy Services**

**Senior Full Stack .Net Developer**

**Description**

PWC foreign account compliance tool is web application which is used by the PWC customers for reporting foreign income/revenue and paying appropriate taxes.

**Responsibilities:**

* Requirement Gathering and preparing high level requirements and user stories.
* Worked with agile effective methodology for Software Development.
* Handled many production issues and enhancement to the existing live portals.
* Developing and coding the applications using ASP.NET MVC 5, C#, ADO.NET, Entity Framework 4.5, XML, WCF Services, JavaScript, Angular JS, TFS & SQL Server.
* Used Telerik and Infragistics third party controls.
* Implemented using MVC with Entity framework concepts.
* Implemented design patterns like Factory, Dependency Injection and Singleton.
* Developed RESTful Services using WEB API and WCF.
* Wrote complex SQL Queries and involved in performance tuning.
* Generated SSRS reports from scratch and used SSIS packages for running jobs.
* Implemented Test Cases using mocking up of objects and visual studio test projects
* Experienced in Software Configuration Management, setting up company Version policies utilizing Team Foundation Server (TFS).
* Implemented Agile/SCRUM methodology for SDLC.

**Environment:** Visual Studio 2015, C#, ASP.NET 4.5/5.0, ADO.NET, Entity Framework, WCF, Web Services (Restful and SOAP), WebAPI’s, AngularJS, JQuery, JavaScript, CSS3, HTML5, XML, SQL Server 2012, TFS

**Impact Assessment Tool Jan 2014 – May 2015**

**Client: Johnson and Johnson, Bangalore, India**

**Employer: Tata Consultancy Services**

**Assistant Consultant**

**Description**

Impact Assessment Tool (IAT) is a web based application used by Export Team to analyze the (potential) impact of a requested quantity for an item code, based on the type of demand (i.e. Inquiry vs firm order) and based on the requested date (i.e. Asap vs far in future). In case the impact is low, planning team should not be contacted, and the tool should provide a standard lead time (for Inquiries) or availability (for Firm Orders).

IAT provides the following functionalities:

* Place Inquiry/Firm Orders
* Inquiry/Firm Order Results
* Upload Source Data
* View Order History
* Planner – Manage thresholds
* Planner - Manage Users and Roles

**Responsibilities:**

* Interacting with the business team for discussion of the functional specifications, high level requirements and user stories.
* Developing and coding the applications using ASP.NET MVC 5, C#, ADO.NET, Entity Framework 4.5, XML, WCF Services, JavaScript, Angular JS 2.0, Kendo UI, TFS & SQL Server.
* Implemented JavaScript and JQuery script to implement UI validations.
* Implemented using MVC with Entity framework concepts.
* Implemented design patterns like Abstract Factory, Dependency Injection and Singleton.
* Created WCF services and Consuming WCF services from Client using various Bindings.
* Developed RESTful Services using WEB API.
* Used Nunit/Mock for unit test cases.
* Used SoapUI for testing of web services.
* Wrote complex SQL Queries using joins and various aggregate functions.
* Used SQL server 2012 for writing Stored Procedures, Views and Triggers.
* Performance tuning using tools like SQL Profiler.
* Generated SSRS reports from scratch and used SSIS packages for running jobs.
* Experienced in Software Configuration Management, setting up company Version policies utilizing Team Foundation Server (TFS).

**Environment:** Visual Studio 2015, C#, ASP.NET 4.5/5.0, ADO.NET, Entity Framework, WCF, Web Services(Restful and SOAP), WebAPI’s, Angular JS 2.0, JQuery, JavaScript, CSS3, HTML5, XML, SQL Server 2012, SoapUI, Nunit, Mock, TFS

**Conversation Portal Site Aug 2013 – Jan 2014**

**Client: Johnson and Johnson, Bangalore, INDIA**

**Employer: Tata Consultancy Services**

**Assistant Consultant**

**Description**

5 conversation portal sites is a work flow application. This site is for maintaining japan employee appraisal system where all japan employees will update their goals and achievements. Once employee updates his goals it will be moved to Supervisor Queue. Once he approves the request then it will be pushed to HR. Once HR approves the request then workflow will be completed.

**Responsibilities:**

* Interacting with the business team for discussion of the functional specifications, high level requirements and user stories.
* Worked with agile effective methodology for Software Development.
* Handled many production issues and enhancement to the existing live portals.
* Developing and coding the applications using ASP.NET MVC 5, C#, ADO.NET, Entity Framework 4.5, XML, WCF Services, JavaScript, Angular JS 2.0, Kendo UI, TFS & SQL Server.
* Worked on AJAX framework for interactive web applications.
* Implemented JavaScript and JQuery script to implement UI validations.
* Implemented using MVC with Entity framework concepts.
* Implemented design patterns like Factory, Dependency Injection and Singleton.
* Created WCF services and Consuming WCF services from Client.
* Developed RESTful Services using WEB API.
* Wrote unit testing of the functionality of the code and mocking up of objects.
* Involved in Database designing using Normalization and Denormalization principles.
* Wrote complex SQL Queries using joins and various aggregate functions.
* Used SQL server 2012 for writing Stored Procedures, Views and Triggers.
* Performance tuning using tools likes SQL Profiler.
* Generated SSRS reports from scratch and used SSIS packages for running jobs.
* Experienced in Software Configuration Management, setting up company Version policies utilizing Team Foundation Server (TFS).

**Environment:** Visual Studio 2015, C#, ASP.NET 4.5/5.0, ADO.NET, Entity Framework, WCF, Web Services (Restful and SOAP), WebAPI’s, Angular JS 2.0, JQuery, JavaScript, CSS3, HTML5, XML, SQL Server 2012, TFS

**Supplier Assessment Project Aug 2012 – Aug 2013**

**Client: Johnson and Johnson, Bangalore, INDIA**

**Employer: Tata Consultancy Services**

**I.T. Analyst**

**Description:**

Supplier Assessment SharePoint Tool portal will be a publishing portal and will have separate site collection and it will have SharePoint default mater pages, design styles and page layouts.

Master pages & Page Layouts: Portal will have a maser page which will contain following sections:

Header: Each page of the portal will include a global header. The Header will contain an image as the background. It will also contain Login username, my site, and my link and OOB search text box features which will come in default SharePoint header. Page layouts will be default SharePoint pages. Top Navigation: There will be default SharePoint top navigation. Home page will have "My Recent Records" web part.

Home page will also have following links in:

-Supplier Assessment Observations Entry Form

-View and Edit Supplier Assessment Observations

-Supplier Assessment Observations Aging

-Supplier assessment dashboard and Combined Findings and User Manual

**Responsibilities:**

* Implemented the custom code for Supplier Assessment Observations Entry Form, View Supplier Assessment Observations form, Edit Supplier Assessment Observations form and Supplier Assessment Observations Aging form.
* Optimized the Code for MDD Supplier Assessment Report.
* Worked on RDLC files and implemented Code for loading Dynamically RDLC files using Reflection Concepts.
* Created WebServices for updating records in Supplier Assessment list.
* Developed Export to excel/ PDF for Aggregate Analysis Dashboard reports, Supplier Assessment Observations Aging reports, Overdue Observation Report and High Criticality Observation Report.
* Implemented Timer jobs for updating Supplier Assessment Master List.

**Environment:** ASP.Net, C#, MOSS (Share Point), SSRS, SQL SERVER, CSS, HTML, JQuery, Ajax.

**Super Partners Project** **Nov** **2010 – Aug 2012**

**Client: Super Partners, Bangalore, India**

**Employer: Tata Consultancy Services**

**I.T. Analyst**

**Description:**

Super Partners is the biggest superannuation provider in Australia. TCS provides software solutions for Super Partners.

CapitalX:

A desktop (Windows) application developed for Super Partners originally started by syncsoft which was handed over to TCS for development and completion. The product provides the customers the ability to handle all Insurance related transactions and information and is developed in agile mode under scrum methodology.

SpRight:

An upgraded version of CapitalX with new functional and non-functional deliverables in agile mode. Has a new Insurance Wing to the product that handles all active transactions between customer and the organization.

**Message Adapter:**

The integration between DMS and SpRight is through a Message Adapter Framework. The Inbound Document Content Model is received as requirement for Adapter, Data Mapping Activities in the form of XSDs. As part of data mapping activity, SpRight service interface model that includes spRIGHT entities is mapped to XSD metadata fields.

This document content model has to, then, be transformed to a spRIGHT service interface model by the Message Adapter implementation.

The below sequence is followed by Message Adapter during data execution.

* Determine the spRIGHT service.
* Parse the xml string data received and do the data validation.
* Map the content data to the spRIGHT Entity using Mappers.
* Build service request including mapped entity values
* Submit request to spRIGHT service.
* Implemented procedures and scripts based on the requirement.

**My Responsibilities:**

* To create user interfaces, entities and services on the XPlatform framework that resides on the .NET framework.
* Design, Develop and analysis and unit testing of the Application.
* Created WCF services and Consuming WCF services from Client.
* Maintain Build Server using TFS.
* Maintaining set of style and consistency rules using Code Analysis/StyleCop.
* Involved writing queries using LINQ.
* Involved code development in message adapter.
* Created Stored Procedure, rules, functions, views required for the application.

**Environment:** ASP.Net, C#, LINQ, TFS, WCF, SQL Server, XML, Ajax, JQuery

**SAMSUNG Integrated Management System (SIMS) Sep 2007 – Nov 2010**

**Client: SAMSUNG (Bangalore, INDIA)**

**Employer: Vista Info Systems Pvt Ltd**

**.Net Developer**

**Description**

SIMS (Samsung Integrated Management System) is an automated solution for the organizational Business processes. System gives an intelligent inter-connect between various business Processes across functions. Based on the scalable platform, it generates various business Intelligence reports for different groups of users like Engineers, RM, PM, GH, HOD, HR Manager, CFO, MD etc. System is based on the concept of workflow where in the data is driven automatically based on organization structure. The modules of this project are Finance, GA, HR, IP, Outsourcing, Project Management, Engineering, Purchase Dept, Innovation, System Admin, Info security etc.

**Responsibilities**

* Analyze and develop the new workflows.
* Maintenance of the application and Enhancements.
* Involved in code reviews.
* Maintain the Call Reports.
* Design the database, Data migration and DTS Packages.
* Develop console applications for scheduler tasks.
* Involved Coding of respective functional modules along with the team members.
* Involved writing queries using LINQ.

**Environment:** ASP.Net. ADO.Net, VB.Net, DTS, LINQ, SQL Server, Workflows