**Saradha P Gopalakrishnan**

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 **Dotnet Full Stack Developer**

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**SUMMARY:**

* Enthusiatic .Net Developer with 10+ years of professional experience in efficient Application **Design, Development, Implementation, Deployment, Maintenance**, and support of various Client/Server enterprise, web and windows applications.
* Experience in all phases of Software Development Life Cycle (SDLC) from Requirements Gathering, Analysis and Design. Development, Documentation, Testing, Implementation and Maintenance of various web and windows applications in waterfall and Agile Methodology.
* Experience in developing web applications using **ASP.Net Core**, **C#, ASP.NET,Web Services, React, Entity Framework, Fiddler, Postman, AWS, TFS, Azure.**
* Hands on experience in design using N-tier architexture and Object Oriented Programming(OOPS) Principles like Encapsulation, Inheritance, Polymorphism, reusability and Design patterns like Abstract factory, **Singleton**, Object pool.
* Proficient in developing **REST services** and integrating them with client server architecture. Implemented REST services with **Angular** as front end.
* Experience in advanced **JavaScript**/UI frameworkds like **Angular**, **TypeScript**,**Bootstrap** and **JQuery** and experience in **Azure Function and Devops Pipelines**
* Experience in designing web pages with **HTML, JavaScript, CSS, HTML 5, CSS3.**
* Used **MVC Scaffolding** and **MVC Razor** Syntax to quickly build applications that leverage the MVC design pattern on the client side.
* Experience in using **ADO.NET data controls (Dataset, Data Reader, Data Adapter, Data Grid, Grid View, and Data List),** ASP.NET server controls and **AJAX controls**.
* Strong understaning of Data Structures, Algorithms, Desing patterns like singleton, factory, **MVC**,**MVVM**.
* Hands on experience using one-way/two-way data binding, filters, UI-routers and creating custom directives using Angular.
* Extensively worked on writing Stored Procedures, Triggers, Functions, Views, and table normalization.
* Highly proficient in Entity Framework using Code First and Database First approach.
* Experience and good understanding in developing (SOA) Service Oriented Architecture, **Web Services, SOAP, WSDL, UDDI and DOM** and also hands on **XML, XSLT, XQUERY.**
* Experience in handling databases like **MySQL** and **NoSQL** databases like **MongoDB**.
* Expertise in designing and deployment of reports for the end-user request using SSRS and tableau, crystal reports and created Matrix/Tabular reports, charts, parameterized reports using SSRS.
* Worked on the **Sales and Service, Ecommerce, Insurance and Healthcare, Shares and Banking** domains.

**Technical Skills:**

**Internet Technologies:** Microsoft .NET Framework, Dotnet Core, ASP.NET MVC, MVVM, ASP.NET web forms, AJAX, Micro Services, JQUERY, IIS Web Server, XML Web Services.

**Programming Languages:** C,C#, SQL. PL/SQL and VB

**Distributed Technologies:** Restful, Web API using .net core, WCF and SOAP

**Databases:** MS Access, MS SQLSERVER, SSIS,ORACLE, POSTGRES, NO-SQl, Mongo DB

**Database Access Technologies:** Entity Framework, LINQ, LINQ to Objects, ADO.NET

**UI Technologies:**HTML5, Bootstrap 3.0, CSS, XML, Javascript, Angular, React JS, JQuery, Node.Js, KendoUI, ASP.

**IDE:** Visual Studio, VSCode

**Reporting Tools: Crystal Reports, SSIS, SSRS**

**Version Control**: TFS, Githubs

**Testing Tools**: X-Unit

**Other**: JIRA

**Education:**

* MBA In Information Technology - Schiller University – US in September2019.
* MPHIL Computer Science with Distinction from Bharathidasan University in 2011.
* MCA with Distinction from Bharathidasan University in 2006.
* Bachelors in Computer Applications in Holy cross College TN India 2003

**Certifications:**

* Microsoft MVC 70-486
* Post Graduate Diploma in Senior Software Programming.
* Orientation Programme for Research Scholars organized by Research Advisory Committee (RAC).
* C & C++ Programming,VB & C# Certification

**Experience:**

* Worked as a Programmer Analyst in WEX Inc. from July 2022 to Feb 2024.
* Worked as a Software Developer in Publix from Feb 2022 to May 2022.
* Worked as a Software Developer in Collasys from Feb’2021 to Dec’2021.
* Worked as a Senior Consultant Technology in Virtusa(MD Bank), Delaware from Dec ‘2020 to Feb ‘2021
* Worked as a Information Technology Analyst in Sierra Business Solutions(USBank) from Nov’2019 to Dec’2020.
* Worked as a Technology Analyst in Infosys, Chennai, Tamil Nadu from Nov’2014 to Jan’2019.
* Worked as a System Analyst in Sysway Infotech Tamil Nadu from Dec’2011 to Jun’2014.

**Professional Experience:**

**WEX Inc., USA July’ 2022 - Feb’ 2024**

**Platform FileGateway**

**Technology :** Dotnet Core 6.0, SQL Server, Azure Devops,Micro Services,YAML, REST API,Visual Studio 2022, XUnit, Mongo DB, Github, Jitterbit, Amazon S3, Jitterbit script, AWS Lamda functions, Kafka Aiven.

**Description:** Involved in handling the mastercard ipm files (ISO 8583 format), reading and parsing it to json and storing it into the source data api using the Jitterbit workflow. The ipm files will be placed in the amazon S3 bucket. The lamda function were written in Java using jpos library. And deploy the lambda to AWS lambda functions by generating the shade jar file(mvn package shade:shade) and uploading it into the aws lambda function. And retrieving the json convert to avro schemas and deliver to kafka by creating an event using the Jitterbit workflow.

**Responsibilities:**

REST API development for developing web methods to GET, PUT, POST, DELETE.

Created requirement documents , system design diagrams using Lucid Chart.

Developed Micro services using Asp.net core

Working with Azure devops pipelines for build and push the image to the azure artifactory.

Respositories were maintained in Azure .

Woked on the Azure functions for the parsing the ipm file and converting to the Json.

Worked on the Githubactions workflow for the repositories and releaseing the version on the repos and pushing the image to JFrog artifactory feed.

Migrated the repositories(Services and Libraries) from azure to githubs uging git commands and handled the linting errors during migrations.

**Publix, USA Feb’ 2022 to May’2022**

**EFS (Enterprise Facility System – Publix Internal Portal)**

**Technology :** Dotnet Core 3.0, SQL Server, Azure Devops,Azure Functions,Micro Services, REST API,Visual Studio 2022, REACT, Vite, Typescript.

**Description:** Publix EFS (Enterprise Facility System) is a system which maintains store details like store hours,address, supervisor, department , sub-department details, pharmacy details like pharmacy hours, and Liquor store details in the form of Micro services with its own individual database so that any development or modification doesn’t have an implact on the other micro services. The communication between the UI and microservices happens through API calls. Code were pushed to the respective Repos and will run the pipeline for deployment to various environments like Dev, Test, Stage and PROD.

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**Responsibilities:**

• Worked as a Front-End Developer on the project with JavaScript, ES6, Angular, RESTful services, HTML5/CSS3/SASS/Bootstrap and Gitlab.

• Developed User Controls, used .NET web controls and improved the performance of the application by configuring the caching.

• Created login-based member’s area that displays ASP.NET pages based on access levels and assigned Roles.

• Involved in developing single-page applications using Angular developed reusable custom components using Typescript.

• Developed application using C#.Net and AJAX under Visual Studio 2010 environment. Extensively used controls such as Data Grid and Data List to populate the records for presentation layer.

• Developed Razor views with strongly typed view models and users and partial views using ASP.NET Core MVC5, Angular,

• Creating and managing View Models, Views and partial views using ASP.NET MVC. Proficient in LINQ for data retrieval, CRUD operations, data filtering sorting.

**Pennsylvania State Project, USA Feb’ 2021 to Dec’2021**

**SAR , L/IN Tracking – IR 1.1**

**Technology :** Angular, C#.Net,Postgres,Azure Devops, SSIS.

**Description:** The customer will be given a SAR(Semi-Annual reporting) tracking form to check their eligibility for continuing the benefits provided by the Pennsylvania state. If the form returned incomplete then L/IN (Late Identification notices) will be sent to the customers and tracked if LIN is also not returned on time then will suspend the benefits received from the government. Used Postgres for this application where it handles data related to SAR and LIN.

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**Responsibilities:**

* Implemented AngularJS provider injection to handle the request to WebAPI (Build a factory to return each of the RESTful services).
* Created custom directives for reusable components in AngularJS Worked on Service oriented architecture and Microservices.
* Create Business Logic Layer , Data Access Layers to implement the MVC 5.0 architecture.
* Implementation of client-side validations using jQuery and ASP.NET MVC Validation implemented at Controller level.
* Possess excellent abilities in developing database programs like Store Procedures, Joins, Triggers, Views, Cursors, Packages and implementation scripts using SQL SERVER.
* Manage environments for legacy codes using specific Docker containers based on the required architecture.
* Developed SSIS packages and scheduled jobs running SSIS packages using SQL Server to perform several scheduled tasks and workflows..
* Monitoring those jobs/batches in Opcon Viewer and maintain the status during the development phase.

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**USBank, Cinncinatti OH (TCS) USA Nov’ 2019 to Dec 2020**

**Cure Automation 2.0 Enhancements**

**Technology :** ASP.Net, SQL Server, Angular 6.0, REST API,Javascript, and Test Automation.

**Description:** The customer who failed to make their payments on time, will be entered into the CACS collection system. The cure tool will be used by the collector agent to collect those past due amounts.The collector will provide options to the customer to extend their past due payments. The options are Extension, Re-age and Deferment. This tool determines based on various eligibility checks, whether this particular customer is eligible for the cure , and if so how many months can be extended.

**Responsibilities:**

* Involved in meetings with the SMEs and business analysts to understand and discuss the business and functional requirements.
* Responsible for Database design, and creating of Stored Procedures, triggers to perform the Data retrieval from multiple tables using SQL Database..
* Developed web pages using Asp.Net, and JavaScript , Jquery for Client-side Validation.
* Managing offshore resources and clarifying the requirements to be developed by the offshore resources and getting their status by setting up an offshore every morning before the onsite standup call
* Used ADO.NET objects such as Data Reader, Dataset and Data Adapter, for Consistent access to SQL data source.
* Developed Web User Controls and Custom User Controls to minimize code redundancy.

**Infosys, INDIA(Solar Winds) Jul 2016 to Jan 2019**

**BizApps General Support (Scrum Methodology)**

**Technology:** NetSuite, SQL SERVER, C#.Net, ASP.Net

**Description:** Solar Winds deals with IT Management Solution to various Customers. Software which deals with various modules like Sending Mails to Customers regarding their payment dues using NetSuite scheduled scripts which runs every day according to their days over dues and send Emails, Created REST let to upload files in NetSuite, Created REST let to delete records in NetSuite, , User Note Creation etc.

**Responsibilities:**

* Detailed analysis of requirements, Prepare and maintain code and resolve any defects in systems.
* Testing the applications and websites on different web browsers to ensure a standard user

experience for the clients across all platforms.

* Designing back end database structures for the web applications and also generating
* Stored procedures that are complex in nature for the software’s maintenance purposes.
* Understanding the life cycle of software and determining any changes that may be

needed as per the observations and feedback of software testing professionals.

**Infosys, INDIA (Molina Health Insurance) Nov 2014 to June 2016**

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**Technology:** ASP.Net MVC, SQL SERVER, SSRS

**Description:** Molina Health Insurance is one of the leading health insurance company providing insurance benefits for various customers. Software deals with Insurance plan details change across the portal. This particular module focuses on the plan name change after a particular period in member portal who consumes the insurance benefits, provider portal that provides the medical service.

**Responsibilities:**

* Interact with clients to determine their requirements and needs.
* Implemented the presentation layer (UI) using Master Pages, HTML, XML and JavaScript.
* Used CSS for common appearance all over the website.Worked on MVC architecture, used HTML5, CSS3, and JavaScript.
* Worked on Stored procedures, complex SQL queries using SQL, TSQL.
* Prepared Reports using SSRS, and Maintenance

**SYSWAY INFOTECH, INDIA Dec 2011 to June 2014**

**Share Trading Analysis**

**Technology:** C#.Net, ASP.Net, SQL SERVER, SSRS

**Description:** Software developed in Sysway Infotech Trichy, which deals with the analysis of share trading by downloading the share traded values from NSE and upload into Excel and compute their five days and ten days average transaction of particular shares.

**Responsibilities:**

* Developed Reports using SQL Reporting Services and implemented Optimized SQL Stored Procedures.
* Used Team foundation server (TFS) as source control repository for code version on CI/CD.
* Extensively used ASP.NET, GridView, DetailsView, TreeView, DataList and Repeater controls for displaying the data in a clear format.
* Used ADO.Net objects such as Data Adapter, Data Reader, and Dataset for data access.
* Developed Web forms using ASP.Net server controls and validated input using Java Script.
* Created Business Logic Layer and Presentation layer in ASP.NET.