**Saradha P Gopalakrishnan**

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**Dotnet Full Stack Developer**

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**SUMMARY:**

* Expert in developing windows applications, web applications, windows services and web services in Microsoft Visual Studio.Net IDE using **.NET Core**,**C#.Net, VB.NET, ASP.NET, MVC,ADO.NET.**
* Experience in developing **Microservices** using **ASP.NET Core 6**.
* Experience in **REST API**.
* Experience in **Angular 14**.
* Experience in **REACT, VITE, TYPESCRIPT**.
* Expertise in **SQL SERVER, ORACLE, MONGODB, POSTGRES**
* Worked on **AWS S3, Lambda, Secrets Manager, API Gateway**.
* Experience in various scripting languages like **VBScript, Javascript, JQuery Netsuite, Jitterbit Script**.
* Proficient in Data Analysis, Design and Data Modeling, using **LINQ** (LINQ to SQL, LINQ to XML), **Entity Framework**, **ADO.NET** and **T-SQL**in developing Data Access Layer,writing **SQL**Queries, Stored Procedures and User Defined Functions. Good experience in **SQL Server and Oracle.**
* Experienced in SQL for writing **Indexes, and Views, Stored Procedures, Cursors, Triggers Transaction management, and performance Tuning creating tables and Indexes.**
* Worked extensively with Data Adapter, Dataset, Data reader as a part of **ADO.NET** to access and update the database.
* Hands on experience on **XUnit automated unit testing.**
* Hands on experience in creating and modifying reports with reporting tools like **SSRS**.
* Worked with **Team Foundation Server, AZURE Dev Ops, Github.**
* **Experience in Devops Pipelines and Github Actions.**
* Worked in **Agile Scrum** **methodologies**.
* Involved in Functional and Unit Testing of various Modules.
* Excellent programming skills and strong in **Object Oriented programming (OOP) concepts**.
* Knowledge on developing windows applications using **Visual Studio 2022** with **.Net framework 4.8**
* Experience in **Jitterbit Harmony**
* Expert in debugging an application using the debugging tools provided by the Visual Studio.NET IDE.
* Experience in an end to end full lifecycle of software development SDLC.
* Have strong debugging, and unit testing skills.

A thorough professional with a proactive attitude, cohesive team worker, self-motivated, capable of thinking & generating new design solutions.

* Excellent Technical, Analytical, Presentation and Communication skills. Strong team player and ability to perform in both the team and individual settings.
* Other Added advantage having experience on **Fiddler**, **Postman**, RabbitMQ, MS-Office, Windows Operating systems, C, C++, SOAP, HEX Editor Tool
* Worked on the **Sales and Service, Ecommerce, Insurance and Healthcare, Shares and Banking** domains.

**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:**

* Working as a Software Developer in Preludesys Inc. from Dec 2021 to Till Date.
* Worked as a Software Developer in Collsys from Feb’2021 to Dec’2021.
* Worked as a Senior Consultant Technology in Virtusa from Dec ‘2020 to Feb ‘2021
* Worked as a DotNet Developer in Sierra Business Colutions 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 to Till Date).**

**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 it 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. Reading the ipm file and parsing it to json where handled using the lambda function in the Jitterbit workflow. 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 using the Jitterbit workflow. Messages were delivered to Kafka by creating an event in the kafka aiven.

And also worked on migrating the repositories (services and libraries) from azure devops to github including the history of commits by using the github commands and also handled linting errrors during migration.

And also worked on building the azure devops pipelines for the projects. Building the solution and pushing the feed of the library to the azure artifacts. Later, shifted to github, so worked on the github actions and also pushing the image of the libraries and services to JFrog artifactory.

**Responsibilities:**

* Participate in Sprint Refinement of Backlog stories in the backlog.
* Detailed analysis in the grooming session clarifying the necessary details in brief for the assigned user story to start with and assigning the story points for each story
* Involve in creating new repositories using opslevel –> Self-service -> actions –> Bootstrap a new github repository and providing values to parameters like repo name, programming language, framework, github team name, description, and type.
* Participating in the Sprint Planning
* Participating in the Tasking Review Meeting.
* Participating in the daily standup.
* Participating in the Sprint Review
* Participating in the Sprint Retorspective meeting.
* worked on the Azure devops pipelines and Githubactions workflow for the repositories.
* And migrated the repositories(Services and Libraries) from azure to githubs uging git commands and handled the linting errors during migrations.
* Involved in designing , coding
* Unit Testing using XUnit.
* Provide Demos for the completed user story during the spreint review meeting.

**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. The application is basically out of .Net core 3.0 which talks with various micro services like Telecom Integration service to get the various contact details for the store, Pharmacy and liquor. Similarly, Pharmacy Integration service to get the pharmacy store details. Department service for department details, store service to get the store details and AssoicateHierrachy(AH) to get the associateshierrachy details of the store. Each sub-domain is developed as a micro service 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. Deployment and source code involved the CI/CD pipeline. Code were pushed to the respective Repos and will run the pipeline for deployment to various environments like Dev, Test, Stage and PROD. The entire application were designed and developed using visual studop 2022. Designed the UI using React, Typescript node js, Vite Component creation.

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**Responsibilities:**

* High level analysis of requirements in the Refinement session.
* Detailed analysis in the grooming/planning session.
* Design the database based on the needs(creaing tables, Stored procedures, views triggers if needed).
* Designing the re-usable UI interface using React.js
* Develop application components using ES7, CSS3 and HTML5.
* Application developed using React increased the page load speed and decreased the server response time.
* Incharge of deploying to dev and test by pushing the code to Devop Repos
* Create a pull request in Devops and get it approved and merge it to the master
* Run the devops pipeline for the repos and deploy to higher environments once the pull requests has been approved.
* Design, Develop and maintain code and resolve any defects in systems.
* Deploy to various environments till staging.
* Support testing in various environments like IT, UAT.

**Pennsylvania State Project, USA**

**Collasys**

**(Feb’ 2021 to Dec’2021).**

**SAR , L/IN Tracking – IR 1.1**

**Project – AGILE,Scrum Methodology**

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

**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:**

* Detailed analysis of requirements.
* Prepared Sequence Diagram, Class Diagram and Data dictionary.
* Designing the user interface of the application by Angular.
* Angular based UI resulted in increased percentage of user engagement and also increase in the customer satisfaction.
* Develop and maintain code and resolve any defects in systems.
* Designing the Table and package in the Postgres DB and configured these DB in the config file.
* Manage defect tracking systems and resolve all issues and prepare updates for systems.
* Designing back end database structures for the web applications and also generating
* Source Code Repository was maintained in Devops.
* Wrote .Net batches for Informatica Invocation jobs.
* Monitoring those batches in Opcon Viewer and maintain the status during the development phase.
* Unit test and debug the modules developed and try to 70 to 75 % code coverage in the Unit testing.

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**USBank, Cinncinatti OH (TCS) USA**

**Sierra Business Solutions**

**(Nov’ 2019 to Dec 2020).**

**Cure Automation 2.0 Enhancements Project – AGILE,Scrum Methodology**

**Technology :** ASP.Net, SQL Server, Angular 6.0, REST API,Javascript, ETL 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. Used Angular to connect the web application to back-end APIs, used RESTful methods to interact with API’s.

**Responsibilities:**

* Detailed analysis of requirements.
* Having meetings with the business stake holders for the new requirements and getting clarified with the questions
* Providing estimates for the development efforts.
* Understanding the life cycle of software and determining any changes that may be

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

* Managing Offshore resources and guiding them on their work
* 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
* Removing the impediments if any for the development.
* Code, Deploy and deliver

**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.
* Manage defect tracking system and resolve all issues and prepare update for systems.
* Testing the applications and websites on different web browsers to ensure a standard user

experience for the clients across all platforms.

* Write supporting documents for projects developed and tested.
* 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.
* Design, develop and implement solutions to users’ needs and requirements.
* Develop user interfaces and client displays.
* Review and improvise code.
* Coordinate with architects and business analysts to determine functionalities.
* Resolve and troubleshoot problems and complex issues.
* Prepared Reports using SSRS, 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:**

* Detailed analysis of requirements.
* Design, develop and implement applications that support day-to-day operations.
* Uploading the daily trading values of shares into an excel file.
* Calculating 5 Days,20 Days Average for each Shares and analyzing their trading values.
* Coding & Maintenance.
* Develop custom reports for large data sets.
* Unit testing of each and every module created.
* Debug and fix the errors and ensure that the modules created meet the requirements.