**Swathi K**

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**PROFESSIONAL SUMMARY**

* Around 9+ years of professional experience in developing and deploying the applications utilizing a variety of programming languages and in depth understanding of all the phases of developing and deploying (SDLC-Software Development Life Cycle), Client-Server and **N-tier Architecture with Agile, Waterfall, Scrum**.
* Prodigious working with basic MVC and all the **MVC Frameworks** like the 6.0/5.0, Implemented the components like the Model, Views, Partial Views, Strongly Typed Views and controller actions.
* Extensive experience in Aspect-oriented programming in Test Driven Development TDD, developing infrastructure framework using Inversion of controls, **Dependency Injection Unity.**
* Skillfully crafted **Angular 2+** **components**, harnessing core features like Interpolation, Input Variables Bootstrapping, implemented efficient **Services** using **Http Client** Module to manage API calls and data injection, enhancing modularity and separation of concerns.
* Development of dynamic Single Page and responsive Web Applications using **Angular 2+,** showcasing expertise in creating engaging user experiences, **migration** of an Angular old version application to Angular 9+, leveraging technical acumen and adherence to version compatibility
* Efficiently communicate with SQL Server Database using the **ORM** technologies like the **entity framework** **Core Code First and Database First** which is eventually developed to implement **CRUD and API with LINQ** to entities.
* Implemented **JWT token-based** authentication to secure **ASP.Net core Web API** and provide authorization to different users.
* Working knowledge of client-side functionalities with various UI and responsive components which are execution functionalities in the web applications using advanced JavaScript/UI structures like **JSON, jQuery, XML, Bootstrap 3.2, AJAX, Angular 5/7/9/11/12, HTML (5/4), DHTML, XML/XSL/XSLT, JSON, CSS (3/2).**
* Doyen in in Database design (**RDBMS**), programming, implementation and development using **MS SQL Server** **2005/2008/2012, Oracle 11g/10g/9i, MS access**, analytical and conceptual skills in database related work primarily creating complex **Stored Procedure, Views, Triggers, Functions, T-SQL, Indexes, Cursors, Performance Tuning, SQL Profiler.**
* Created reports in **SQL Server Reporting services (SSRS)** with different types of properties like chart controls, Filters, Interactive Sorting, SQL parameters etc.
* Extensive experience working with **State Management, Security, caching features and configuring optimizations** etc.
* Working background in unit testing and execution testing systems like **NUNIT** Tests for business rationale.
* Used **GIT** Repository with VS extensions for the purpose of version control and source code maintenance needs.
* Experienced working with **Team Foundation Server (TFS), VSTS, Github, Azure Devops** for daily based tracking of work progress and maintaining synchronous with other team members.
* In depth knowledge on REST web services using **ASP.Net WEB API** and C#, used WEB API to provide services to HTTP Requests, good understanding on design and deep functional experience in creating, deploying and consuming REST-FUL Services using **ASP.NETWEB API 1.1/2.0**.
* Proven ability to work independently and as a part of a team with an ability to deliver within short deadlines, excellent communication and a versatile team player with proven problem-solving skills.

**TECHNICAL SKILLS**

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| Programming Languages | C#.Net (4.0/3.5/3.0), HTML, T-SQL, PL/SQL. |
| Web Technologies | [ASP.NET](http://asp.net/)  4.7/4.5/4.0/3.5/3.0, ASP.net MVC, Ajax 3.0/2.0, JavaScript, jQuery, bootstrap, Angular 1.6/2, Node JS. |
| Xml Technologies | XAML, XML, XDOCUMENT, XSLT, XSL, LINQ to XML. |
| Desktop Technologies | WinForms |
| IDE Tools | Visual Studio 2017/2010/2008, SQL Server Management Studio, Expression Blend (4.0/3.0/2.0), Toad for SQL. |
| .NET Frameworks | .NET Framework 4.7/4.6/4.5/4.0. |
| Databases | MS SQL SERVER 2012/2008/2005/2000, Oracle 10g/9i/8i. |
| Reporting Tool | SQL Server Reporting Services (SSRS 2008/2005), Crystal Reports (2010/ 09/ 8.5/8) |
| Modeling Tools | UML, MS Visio. |
| Version Control Tools | Team Foundation Server 2018/2013, GitHub. |
| Middleware | Web API, WCF, [ADO.NET](http://ado.net/) 4.0/3.5/3.0, MSMQ, Web Services, Enterprise Library 5.0/4.0/3.1. |
| Servers | Windows Server 2008/2003/NT, Microsoft IIS (7.0/6.0/5.0/4.0). |

**PROFESSIONAL EXPERIENCE**

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| **Client Name** | **Employment Development Department** |
| **Location** | **Sacramento, California** |
| **Duration** | **June 2020 – Present** |
| **Title** | **Software Developer** |

**DESCRIPTION:**

In [California](https://en.wikipedia.org/wiki/California), the **Employment Development Department (EDD)** is a department of government that provides a variety of services to businesses, workers, and job seekers. The EDD administers several multi-billion-dollar benefit programs including the Unemployment Insurance (UI), Disability Insurance (DI), and Paid Family Leave (PFL) programs that provide financial stability to workers and their communities. The Department also provides critical employment service programs to Californians, collects the state's labor market information and employment data, and serve as one of the nation's largest tax agencies through the collection of payroll taxes.

**RESPONSIBILITIES:**

* Using **SQL server database T-SQL queries, functions, stored procedures, triggers, and views** are developed for data validations, reusability and query optimization.
* Used **Web API** as ideal platform in building Restful application on .Net Framework using SQL server as backend.
* Created reports using SQL reporting services (SSRS) for customized ad-hoc queries.
* Working on correction of **DI/PFL** flags to make sure the data is in sync between **SCDB and CUBs** database.
* Due to high volumes of claims in the current situation, involved in new **development changes** to incorporate the release of stimulus checks on weekly basis.
* Created application with A**ngular 12** using typescript to create **Directives, components, services, pipes, observables, form validation and router** for multiple components utilizing router guards and navigations.
* Implemented **Angular 12** Observables to handle asynchronous communication with our Rest API for various requirements.
* Using **Azure** cloud services performed various web operations in Azure App Service.
* Designed and Configured Azure Virtual Network (Vnets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
* Involved in migrating the application from **Angular 7 to Angular 12** and Migrated Internal application from **Angular 4 to Angular 12**.
* Used **Angular 12**, TypeScript and the Angular CLI for coding, scaffolding, data binding, debugging, compiling, bundling, minifying, and building modules (i.e. components, services, pipes, directives, routes)
* Using **Entity Framework core** connect to SQL Server using **Code First approach**, defined relationships using Fluent API, implemented CRUD operations, used LINQ queries to fetch the data from the database using Lazy loading.
* Implemented **JWT token-based** authentication to secure **ASP.Net core Web API** and provide authorization to different users.
* Building Rest API’s using .net core/.net framework, using HTTP Client and create, edit, display the data using HTTP Get, Post methods of web Api’s. Also, work on enabling the filters to get the required data.
* Design and implement migration strategies for traditional systems on **Azure (lift and shift/ Azure migration, other third-party tools) worked on azure suite: Azure SQL database, Azure data lakes (ADLS), Azure Data Factory (ADF) V2, Azure Key Vault**
* Worked on code changes and triage related to MCO3 ‘Object reference not set to instance of object.’ and to find the root cause of the issue.
* Created Reports in SQL Server Reporting Services (**SSRS**) with different type of properties like chart controls, Filters, Interactive Sorting, SQL Parameters etc.
* Responsible for writing **Test Scenarios, Test Plan and Test Cases** based on the Functional and Technical Specifications.
* Created **builds, branches, Merge operation, add new users, Rights for the specific branch in the TFS** and did the deployment.
* Submit daily status reports to keep track of tasks being completed and the tasks we are going to work on next.

**ENVIRONMENT:** TypeScript, Angular 11, JSON, Jira, Agile Methodology, Visual Studio 2017/2015, SOA, Rest API's, Web API's, OOP’s, C#, ASP.Net, Asp .Net core 2.1, Entity Framework core, LINQ, Microsoft Azure and Cloud services, .Net Framework Core 3.1, C#, HTML5, CSS3, Bootstrap 3.4, WCF, TFS, T-SQL, SQL Server 2012

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| **Client Name** | **Diamond Resorts International** |
| **Location** | **Orlando, Florida** |
| **Duration** | **May 2019 – May2020** |
| **Title** | **Software Developer** |

**DESCRIPTION:**

Diamond Resorts offers destinations, events and experiences to help members make a habit of breaking from the routine. From unforgettable getaways to exclusive concert series to VIP receptions and dinners, members turn to Diamond to recharge, reconnect and remind each other what matters most. Our focus on quality resorts, customer service and flexibility mean members can return to a favorite resort, book a cruise to explore new countries or attend a once-in-a-lifetime event with the same level of confidence and anticipation. With access to a world of entertainment and activities, a Diamond membership ensures that people are always looking forward to vacation.

**RESPONSIBILITIES:**

* Experience in various phases of **Software Development Life Cycle (SDLC)** such as Analysis, Design, Development, Deployment and Maintenance of web applications.
* Worked on development and implementation of Displaying the **Quintets property information** in members site both in old (classic) and new design (**MAR**).
* Worked on restoring the existing functionality for **Prearrival DRI properties and Email Functionality** depending on type of reservation both in classic and MAR.
* Experience working with **Oracle database** design and development, **writing Constraints, Indexes, Views, Stored Procedures, Cursors, Triggers and User Defined Functions.**
* Used **angular 4** for developing applications using **HTTP client module** for rest calls and jQuery to process JSON and XML then providing them to components that are in need.
* Experience in building SPA using Angular framework, very good experience in developing **Angular4**
* Worked with **Angular 4** custom directives, components, modules, pipes, services, and routing.
* Wrote unit tests using **Jasmine, Karma Nunit, Postman**
* Worked on **LINQ** queries and ORM tools like **Entity framework** to exchange data between web services and database objects.
* Worked on migration from classic to MAR design of “Valued Getaway” Utilizing Services and Factories with **dependency injection (DI) in ASP.NET MVC, HTML, CSS, JavaScript** etc. both for Web and Mobile version.
* Implemented **Angular Routing and navigation, components, and services**.
* On members site various links, fields, logics, and loan information on financial services page used Harland data base, I have worked on moving the database from **Harland to Northridge**.
* Worked extensively on Database design and development using advanced SQL, including Dynamic SQL, Transact-SQL, Stored Procedures, Indexes, Triggers with tools such as MySQL and SQL Server Management Studio 2008/2012.
* Developed and provided the team with the data layer functionality using entity framework to connect to database and fetch data.
* Worked on Bug Fixing of application on all modules (Rentals, Destination Exchange, Members, Payments etc.)

**ENVIRONMENT:** Visual Studio.NET 2017/2015, C#, ASP.Net, Micro Services, Web API’s, GIT, .Net Framework 4.5, .Net Core, OOP’s, Entity Framework 6.0/4.3, Angular 9, LINQ, WCF, TFS 2013, IIS 7.0. HTML, HTML5, DOM, Bootstrap, SOA, Ajax, JSON, Oracle, SQL Server 2016.

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| **Client Name** | **Hilton Grand Vacations** |
| **Location** | **Orlando, Florida** |
| **Duration** | **May 2018 – May2019** |
| **Title** | **Software Developer** |

**DESCRIPTION:**

Hilton Grand Vacations operates a collection of spectacular hotels and resorts in renowned vacation destinations. Hilton Grand Vacations hotels and resorts offer groups, families, and individual travelers a full-service hotel/resort experience with spacious suite accommodations, on-site dining and recreation, guest lounges, gift shops and other distinctive amenities. Each property is distinctively different while signature elements remain consistent, such as high-quality guest service, spacious accommodations, and extensive on-property amenities.

**RESPONSIBILITIES:**

* Involved in requirements gathering for the projects based on Software development life cycle and meeting with development team, business analysts are carried out in Agile/Scrum methodology.
* Design and Develop **Chorus applications** based on **.Net MVC** architecture and user controls with clean **C# code-behind** logic and implement **WCF SOAP/REST** services and consume them using different communication protocols, create resource-oriented services over **HTTP** using **Web API**.
* In order to achieve **Zero down time deployment, Redis** is being used for managing sessions in Chorus.
* Worked on creating a windows service and **MSI package** to integrate applications with **RFID reader** to read the **RFID tags** which are used by sales team.
* Worked on the development of **Worksheet** to restrict **SSN** as a mandatory field for loan and cash deals using **angular 2.**
* Worked with **Docker** on multiple cloud providers, from helping developers build and containerize their application **(CI/CD)** to deploying either on public or private clouds.
* Involved in Discover, Analysis, and design of **I Synergy application** to map the Database as one to many.
* Using **SQL server database T-SQL queries, functions, stored procedures, triggers, and views are developed for data validations, reusability and query optimization.**
* Involved in the **R&D** and analysis of the Chorus Application to improve the performance of the application.
* Participate in Code Reviews with team lead, quality analysts and follow best coding practices that meet the business requirements and security guidelines.
* Involved in the development of **NY Escrow project** where in developed the pages Deposit Merchant Properties from scratch.
* Used **LINQ to XML, LINQ to SQL, and LINQ to Objects** for retrieving the data efficiently.
* Designed the web UI using **HTML, ASP.NET, JavaScript, CSS, XSL/XSLT, Web Forms and AJAX** controls.
* Used **hang fire** to create background jobs required for the Chorus application which will run at regular intervals and to send an email to the user if the job takes more time than the threshold.
* Perform Unit testing, participate in user acceptance testing with business team and summarize all the functional test cases and implement them using **Nunit and Manual testing.**

**ENVIRONMENT:** Visual Studio 2017, .Net Framework 4.7, C#, HTML5, CSS3, Angular JS 1.6/2, Bootstrap 3.3, ASP.NET MVC, Entity Framework 5.0, WCF, VSTS/Git, T-SQL, Telerik Controls, SQL Server 2012, Windows 7, IIS server.

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| **Client Name** | **Cognizant Technology Solutions** |
| **Location** | **Hyderabad, India** |
| **Duration** | **Aug’ 2012- Jan’2016** |
| **Title** | **.Net Developer** |

**DESCRIPTION:**

Health Net is one of the biggest clients of (Health Care) Cognizant Technology Solutions. Health Net provides a Program to handle significant changes to eligibility determination criteria for Children’s Health Insurance Program (CHIP) programs. It is an Intranet application, which is mainly designed to process and coordinate Health Insurances Policies.

**RESPONSIBILITIES:**

* + Creating the release plans, requirement documents for the scheduled releases and getting the sign off from the respective applications users.
  + Used a class library (assembly) to create **a Data Access Layer** to organize the data well to avoid interrelated errors.
  + Used **Git** for version control of the source code along with the maintenance of the builds and the relevant documents of the same.
  + Employed C# concepts like encapsulation, inheritance, abstraction to get the required programing scenarios.
  + Coding the changes/enhancements in .Net Framework 3.0 using C#.Net languages.
  + Involved in the maintenance of the **SSIS** Packages and creating new SSIS packages.
  + Implemented **Client-Side Validations** and **Server-Side Validations** using **JavaScript and C#**.
  + Writing **SQL stored procedures** and **database triggers** using **SQL server** **2005**.
  + Used **LINQ to XML, LINQ to SQL, and LINQ to Objects** for retrieving the data efficiently.
  + Designed the web UI using **HTML, ASP.NET, JavaScript, CSS, XSL/XSLT, Web Forms and AJAX** controls.
  + Created Client-side validations with **jQuery selectors, Events and Server**-side validations.
  + Designed and created Relational database tables using **Normalization, managed clustered and non-clustered indexes,** and implemented Relationship’s b/w tables.

**ENVIRONMENT**: C#.Net, ADO.NET, C#, JavaScript, SQL Server 2005, HTML, CSS, Win Forms, TFS, ASP.NET 4.5, MVC 5.0/4.0, .NET Framework 4.0, JavaScript, jQuery, Bootstrap, ADO.NET Entity Framework 6.0/4.3, Web API

**EDUCATION DETAILS**

* Frostburg State University, MD Masters, Applied Computer Science 2016-2017
* JNTUH, India B. Tech, ECE 2008-2012