**Sushmitha Punaati**

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**.Net Full Stack Developer**

 **Professional Summary**

* Over **8** years of experience in design and development of web applications using **.NET 3.5** to **.NET 7.0** on **Azure**.
* Expertise in programming **C#** .Net from version 4 to 11.
* Worked with implementing **Object Oriented Programming**, **SOLID** **Principles**, **Design Patterns** using **C#** and worked with asynchronous programming concepts using **Thread pools**, **Task Parallel libraries**, **Async/Await Pattern** to run background tasks and responsiveness of the applications.
* Good hands-on experience in developing single page applications using **Angular 8+** and implemented state management using **NgRx**, managed asynchronous operations using **RxJS**.
* Expertise in developing web pages using **HTML5, CSS3, SASS, Bootstrap, JavaScript, jQuery, Ajax, Angular** with **responsive web design** and have knowledge of Server scripting language like **Node JS.**
* Hands on experience working with **.NET Core**, **ASP.NET MVC**, **Entity Framework** with **LINQ** and **Web API** development.
* Implemented token based **SSO** **Authentication** and **Authorization** using **OAuth2**, **Open Id Connect** and **Okta** IdentityProvider.
* Developed web applications using **.NET Core, .NET Framework** using **C#** as main programming language.
* Implemented **Restful** **Web APIs** and secured using **JWT** based token Authentication & Authorization with **OAuth2** as well as **Open Id Connect** along with logging, monitoring, and robust exception handling mechanisms.
* Implemented ORM tools such as **Entity Framework Core,** **Entity Framework**, **ADO.NET** for interacting with different variety of RDMS databases and worked with **LINQ**.
* Worked with **T-SQL** as well as writing **Stored Procedures**, **Views**, **Triggers**, **Cursors**, **User Defined Functions**, **complex queries, query optimization** with databases like **SQL Server.**
* Worked on the performance tuning and query optimization of **SQL queries** using **SSMS tools** and **query execution plan**.
* Experience in designing and maintaining Database models using Relational (**SQL Server**) and **No-SQL** (MongoDB, Cosmos DB) database models.
* Have Knowledge of **Azure** **CI/CD** Pipeline for continuous integration (CI) and continuous deployments (CD).
* Good experience working with **CI/CD pipelines** using **Azure DevOps** and good understanding of Deployment Slots, Artifacts, Boards for requirements and bug tracking.
* Have a strong understanding of Azure services including **Azure Web Apps**, **Azure DevOps**, **Azure API Management** and **Azure Functions,** **Azure Storage**, **Azure SQL Server, Azure VM’s, Azure Key Vault**.
* Implemented two customized **grid** **structures** meeting client requirements. Grids include functionalities such as displaying data in rows and columns with sorting and filtering, and row and table actions, enhancing data management efficiency.
* Developed test cases using TDD (Test Driven Development) approach.
* Experienced in **Agile** (Scrum) methodologies, actively participating in scrum ceremonies, cross-functional collaboration, iterative development, adaptability to changing requirements.
* Worked with **git** and source code versioning tools like **TFS, GitHub, GitHub Desktop**, **Azure Repos, GitLab.**

**Technical Skills & Endorsements**

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| --- | --- |
| **Programming Languages** | C#.Net, JavaScript, TypeScript, T-SQL |
| **.NET Technologies** | .NET Core, .NET Framework, ASP.NET Core, ASP.NET MVC, ASP.NET Web Services, ASP.NET Web Forms, ADO.NET, Entity Framework, Entity Framework Core, WCF, REST/RESTful WEB APIs using Web API 2, SOAP, RPC, LINQ |
| **UI Technologies** | HTML, JavaScript, jQuery, Angular 15/16, Bootstrap, XML, AJAX, JSON, HTML5 |
| **Additional Tools** | Visual Studio 2022, VS Code, Post Man, Swagger, JIRA & Confluence, LINQPad, Open API |
| **Cloud** | Microsoft Azure CI/CD Pipelines, App Services, Azure Active Directory, Azure DevOps, Azure API Management, Azure Functions, Azure Cosmos DB, Azure Storage, Azure VM’s, Azure Docker, Containers, Kubernetes, Azure SQL Server |
|  **Testing Tools** | XUnit, NUnit, Jasmine |
| **Version Control** | GIT, TFS, GITHUB DESKTOP, Azure Repos, GitLab |

**Professional Experience**

**Project: GRAVITAS**

**Client: ACR **

**Role: Sr Full Stack .NET Developer Oct 2020 – Till Date**

**Environment**: Asp.Net MVC, C#, SQL Server, Entity Framework, LINQ, SSRS, jQuery, HTML, CSS, SASS, Bootstrap, Visual Studio 2019/2017, Confluence, JIRA, GitHub, Azure API Management, Azure DevOps, Azure Storage, Azure Web App Services.

**GRAVITAS** is the system to author, review, and manage evidence-based clinical guidelines content for Appropriateness Criteria program. Web Api’s to expose content to radiology decision support systems. It is mandated for physicians to use radiology decision support system to ensure patient safety. These guidelines assist referring physicians and other providers in making the most appropriate imaging or treatment decisions for a specific clinical condition. AC Search make this data available to all EHRs. Multiple stages of authoring and review process will track the evidence, documents, comments, and decisions arrived at each step and display with visual clarity.

**Roles and Responsibilities**

* Involved in requirement analysis, design creation and development activities through **scrum** and **client** meetings on daily basis.
* Implemented **Okta** SSO authentication and authorization using **Open Id Connect and OAUth2** standard protocols to handle user Identity and access management.
* Designed different layers using **N-tier architecture** for business, presentation, data access and common layer were coded using C# as a programming language.
* Worked on two different types of **grid** **structures** that were implemented on client specifications to display data as rows and columns and to do certain actions by row and table.
* Worked on the query optimization by analyzing the SSMS reports, and query execution plans and improved the performance of the web pages.
* Integrated the **Tinymce** editor into the application to facilitate document editing, providing users with a rich editing experience.
* Implemented **SignalR** to handle parallel editing scenarios, enabling real-time collaboration by synchronizing changes made by multiple users across shared documents in a collaborative editing environment.
* Implemented live chatting functionality within the application using **SignalR**, enabling real-time communication between users.
* Implemented time triggered azure function which will run every day at a particular time for automatic sending of reminder emails.
* Configured and implemented azure blob storage to store and manage documents such as images, pdfs, xml, xl etc.
* Worked with **ASP.NET MVC**, **Razor** Views with jQuery and Bootstrap for styling.
* Implemented **Async/Await** pattern to enable multi-threading, enhancing application responsiveness and scalability through efficient asynchronous task execution, minimizing blocking operations and optimizing resource utilization.
* Worked with ORM tools including **Entity Framework** with **LINQ** as well as worked on back-end databases including **SQL Server**.
* Writing SQL queries, **Stored Procedures**, **Triggers** and **Functions** to create, get, update, and delete of data and writing scripts to do specific modifications and to give specific data based on requirement.
* Implemented data exporting as **PDF**, **XL** using third-party libraries like OfficeOpenXML, PdfSharp, iText etc.
* Implemented release-based **SQL** **database** management to maintain the application data by release. The latest published release data will be displayed on the public website **AC Search**.
* Designed the interface to upload **XML** files and process the data to convert those into database records.
* Implemented **logging** and **exception** handling mechanisms to capture runtime errors and exceptions within the application, utilizing standard logging framework such as **Log4Net** to generate detailed logs for debugging and analysis purposes, ensuring enhanced system reliability, error traceability.
* Configured **Azure DevOps pipelines** for deployments into different environments through multistage pipeline set up and deployed application into azure web app services.
* Worked on troubleshooting production bugs by debugging the solution and fixing the issues.
* Used **JIRA** and **Confluence** for project requirements and bug tracking.
* Managing the application by supporting, fixing issues, and releasing new version.
* Working on the code refactoring and conducted code reviews to enhance the application performance.

**Project: Netrin**

**Client: Netrin Health, LLC**

**Role: Full Stack .NET Developer Sept 2016 – Oct 2020**

**Environment: C#, ASP.NET Core 1.0, Entity Framework Core, Angular10, NgRx, RxJS, SQL Server, HTML, CSS, Visual Studio, Visual Studio Code, Bootstrap, Confluence, JIRA.**

Netrin is a web application for optimal patient management and treatment depends on timely and accurate patient information. EHR integration is the key to improving care coordination across multiple areas of care delivery. Netrin Health technology brings Preventive Care, Chronic Care Management, and Remote Patient Monitoring programs together in one comprehensive, simplified platform.

**Roles and Responsibilities**

* Involved in full cycle of software development from analysis through design, development, integration, and testing phases by following **Agile** Software development with **Scrum** methodology.
* Developed identity access management for **RESTful Web APIs** using JWT token bearer authentication.
* Developed modular components and user interfaces utilizing **Angular** framework.
* Worked on the **Services**, **Routing**, and **directives** for creating scalable and reusable components.
* Worked on the angular **routing** and **services** for the business logic of the application.
* Implemented state management using **NgRx** store to share the common data across the application.
* Worked on the **Forms** and implemented validations using **Reactive Forms** and **Template Driven Forms**.
* Designed and developed various Angular Components, Services, Directives and Pipes.
* Used Angular Router Module for implementing routing, imperative routing, and Guards.
* Used Angular HTTP Module to make API calls and worked with the observables.
* Configured **Twilio API’s** in .net core and worked on sending notifications to beneficiaries and physicians, Care Coordinators to mobiles for real time updates.
* Worked with ORM tools including **Entity Framework Core** with **LINQ** as well as worked on back-end databases including **SQL Server**.
* Writing **SQL Queries, Stored Procedures, Triggers, and Functions** to create, get, update, and delete of data and writing scripts to do specific modifications and to give specific data based on requirement.
* Implemented **RESTful web APIs**, enabling seamless integration of serverless architecture with HTTP requests for handling data retrieval, manipulation, and processing.
* Involved in bug fixing during the System testing, QA System testing and User acceptance testing.
* Used GIT to check-in and check-out and co-ordinate among team members for Version Controlling.
* Addressed **production bugs** to ensure smooth deployments and enhance application reliability.
* Developed **unit test cases** using **Jasmine and Karma** and performed end to end testing.

**Education Qualification**

Bachelor of Technology (B.Tech) from Jawaharlal Nehru Technological University (JNTUK).