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Description automatically generatedName: Sravya.N**

**Full Stack .NET Developer**

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**.NET Core | ASP.NET | jQuery | SQL |Web API | JavaScript | Angular | CSS | Bootstrap | XML| Entity Framework | GIT |**

Senior .NET Developer with 10+ years of expertise in designing and developing scalable web applications using .NET technologies. Proficient in full-stack development, cloud computing (Azure), and building solutions with frameworks like MVC, Entity Framework, and Angular. Skilled in creating user-focused applications, managing databases, and leading Agile projects. Proficient in Azure Cloud services, including Data Factory, Data Lake, Synapse Analytics, and Cosmos DB, as well as SQL Server and Power BI for building and managing data-driven applications. Strong background in cloud development using Azure and modern deployment tools like Docker and Kubernetes.

**PROFESSIONAL SUMMARY:**

* Expert in developing web applications and services using Visual Studio and .NET technologies, including ASP.NET, C#, VB.NET, ADO.NET, Entity Framework, LINQ, MVC, WCF, and SQL Server.
* Skilled in creating and managing web services, APIs, and handling web technologies such as SOAP, XML, HTML, JavaScript, and IIS.
* Skilled in leveraging Visual Studio’s integrated tools such as IntelliSense, debugging, and code profiling to optimize code quality and performance.
* Integrated Splunk with .NET applications for real-time log analysis, alerting, and performance monitoring.
* Developed and deployed cross-platform .NET Core applications on Linux, ensuring compatibility across different operating systems.
* Experienced in cross-platform mobile app development targeting Android and iOS devices using Xamarin and .NET MAUI, ensuring high-performance and native-like user experiences.
* Developed RESTful APIs following OWASP’s guidelines on API security, including data encryption, input validation, and secure error handling.
* collaborated with other developers and stakeholders to ensure the timely delivery of high-quality software.
* Building Single Page Application (SPA) using Angular framework with TypeScript.
* Extensive Experience of LINQ and ORM technologies like Entity Framework 6.0/5.0/4.3, Database First, Code First and performance tuning in Entity Framework.
* Adept in setting up CI/CD pipelines for ADF using **Azure DevOps** to streamline deployment processes and maintain version control.
* Utilized advanced indexing techniques (clustered, non-clustered indexes) to optimize query performance and reduce data retrieval time, enhancing overall application performance.
* Skilled in integrating PL/SQL logic with .NET frameworks such as ASP.NET Core and Entity Framework.
* Designed and implemented scalable database solutions using Oracle SQL Server to support .NET applications, ensuring seamless integration between front-end and back-end systems.
* Experience in creating reports using SQL Server Reporting Services (SSRS).
* Used ASP.NET Web API framework to support the use of Dependency Injection to inject objects into a class instead of relying on the class to create the object itself.
* Skilled in developing cross-platform mobile applications for Android, iOS, and Universal Windows Platform (UWP) using Xamarin and Visual Studio with C#, ensuring robust, high-performance applications across multiple devices.
* Designed and optimized full-stack solutions for mobile applications using .NET MAUI, enhancing cross-platform compatibility and performance across iOS and Android devices, ensuring seamless user experiences and efficient code reuse.
* Designed and implemented robust data models using Entity Framework (EF) Core, facilitating seamless data access and efficient interactions between the application and SQL Server databases, ensuring high performance and scalability.
* Optimized database queries and overall application performance by leveraging EF Core’s advanced features, such as lazy loading, eager loading, and explicit loading, to minimize data retrieval times and enhance system efficiency
* Extensive experience working with Angular from its early versions (AngularJS 1.x) to the latest (Angular 13 and beyond), ensuring the delivery of scalable, high-performance web applications
* Leveraged Angular’s component-based architecture to build modular, reusable UI components, enhancing maintainability, scalability, and performance.
* Designed and implemented dynamic, responsive single-page applications (SPAs) using **Angular 16** with Typescript, integrating seamlessly with RESTful APIs built in .NET Core
* Extensive experience with RDBMS design and implementation, including the development of constraints, joins, views, stored procedures, functions, and triggers in SQL Server to optimize data access, perform complex queries, and implement business logic.
* Designed and developed **reports and data integration workflows** using **SQL Server Integration Services (SSIS)** and **SQL Server Reporting Services (SSRS)**, ensuring accurate, real-time reporting and seamless data extraction from multiple sources to support business intelligence and analytics needs.

**EDUCATION:**

* Bachelor’s in computer science, CVR College Of Engineering, India 2012

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | C#, JavaScript, TypeScript. |
| **Web Development** | ASP.NET Core, ASP.NET MVC (MVC 4/5), ASP.NET Web API, Razor Pages, Blazor, HTML5, CSS3, JavaScript, TypeScript, AJAX, JSON, SASS, LESS, RESTful APIs, SOAP, WCF, Web Services, IIS (6.0/7.0/7.5/10), NuGet, ADO.NET, LINQ, Entity Framework, SignalR. |
| **JavaScript Frameworks & Technologies** | ReactJS, Angular, Node.js, Bootstrap, Redux, Vue.js, Webpack, Vite, jQuery. |
| **Cloud Computing** | Microsoft Azure (App Services, Azure Functions, Azure Data Factory,Azure Kubernetes Service), Azure DevOps, Docker, Kubernetes. |
| **Databases and RDBMS** | SQL Server, Oracle, MySQL, Snowflake, Cosmos DB, MongoDB. |
| **Testing Frameworks and Tools** | MSTest, NUnit, xUnit, Postman, Fiddler, Jasmine, Karma |
| **Dependency Injection Tools** | Structure Map, Ninject, Unity Framework |
| **Service-Oriented Architecture (SOA)** | SOAP, REST, WCF, Odata. |
| **Version Control** | GIT, TFS, GitHub, SVN. |
| **Development Tools** | Visual Studio, Microsoft Visio, Visual Studio Code. |
| **Ticketing Tools** | JIRA. |
| **Methodologies** | Agile, SDLC, TDD, DDD. |

**Client: State Of Texas, Austin, TX Jul 2024-Present**

**Role: Senior Angular Full-Stack .Net Developer**

**Project: Maternal Mortality Review System**

**Overview:**

As a Senior Full-Stack .NET Developer with Azure, I am working on building scalable solutions for the Maternal Mortality Review System (MMRS). I use Azure services like Function Apps and Blob Storage to automate document workflows and improve data processing. I develop user-friendly web applications with Blazor and .NET Core APIs. Additionally, I leverage Azure Application Insights to monitor performance and ensure system reliability.

**Responsibilities:**

* Developed and deployed Azure Function Apps to create serverless workflows for automating document processing tasks, enhancing the efficiency of data ingestion and integration between various Azure services, including Blob Storage and AI models.
* Leveraged Azure Blob Storage for secure, scalable storage of large datasets, ensuring efficient access and management of documents used for training custom extraction and classification models in Azure AI Document Intelligence Studio.
* Developed and deployed distributed caching strategies using Memcached across multiple servers for high-traffic, high-availability .NET applications, ensuring reduced latency and improved scalability.
* Created custom Splunk queries and dashboards to analyze performance metrics of critical healthcare applications, identifying bottlenecks and optimizing for faster patient care delivery and billing processes.
* Integrated Kafka with ASP.NET Core microservices to facilitate seamless event-driven communication between public health agencies, hospitals, and state medical examiners, improving data interoperability.
* Implemented batch processing jobs to generate and distribute high-volume healthcare and government documents using Windows Services, Azure Functions, and Hangfire.
* Integrated Oracle SQL Server with .NET Core applications using Entity Framework and LINQ, ensuring efficient data access layers.
* Orchestrated containerized deployments with **Kubernetes** to ensure high availability and scalability of microservices.
* Tuned Oracle SQL queries and designed indexes to speed up data retrieval, which improved the performance of analytics dashboards used by healthcare policymakers.
* Built and maintained data access layers using Entity Framework and ADO.NET to ensure smooth and reliable communication between .NET APIs and Oracle databases.
* Automated routine batch jobs using PL/SQL to keep healthcare records updated and reports accurate without manual intervention.
* Built and deployed serverless workflows using **Azure Function Apps** to automate document processing tasks, improving system efficiency.
* Designed and implemented **CI/CD** pipelines using **Azure DevOps**, streamlining deployment processes and reducing downtime.
* Integrated strict Content Security Policy (CSP) headers and other client-side protections to minimize the risk of malicious scripts.
* Configured entity mappings using XML and Fluent API to ensure efficient object-relational mapping and seamless integration with SQL Server.
* Designed and developed Service Portals using AngularJS, HTML5, and CSS integrated with .NET backend services for an enhanced user experience.
* Leveraged RabbitMQ to decouple microservices, ensuring efficient asynchronous communication across distributed systems.
* **Developed and optimized user-facing applications** using **Angular 16** with **TypeScript** to create dynamic, responsive **single-page applications (SPAs)**.
* **Leveraged Angular’s component-based architecture** to design reusable, modular UI components, enhancing maintainability and scalability across multiple modules of the application.
* Designed and implemented **lazy loading modules and AOT compilation** in Angular 15 to improve application performance and reduce load time.
* Trained custom AI models in Azure AI Document Intelligence Studio, specializing in custom extraction and classification for document processing.
* Integrated AI Document Intelligence models with Azure Function Apps to automate document analysis and extraction tasks, providing real-time processing and insights for business-critical applications.
* Leveraged Azure Key Vault in the MMRS project to securely store and retrieve environment variables, such as API keys and connection strings, ensuring data security and compliance with best practices for sensitive information.
* Designed and implemented **RBAC** using **JWT** tokens to enforce role-specific access policies, ensuring that users could only access data and services appropriate to their role and permissions.
* Integrated **OAuth 2.0** authentication with **JWT** tokens to ensure secure and scalable access control for users in the **Maternal Mortality Review System (MMRS)**, enhancing the system's compliance with industry-standard security practices.
* Orchestrated containerized deployments with **Kubernetes**, ensuring high availability and scalability of microservices for maternal health data processing, while also automating deployment pipelines using **Azure DevOps**.
* Implemented database access layers in .NET applications using ADO.NET and Entity Framework to streamline interactions with Oracle databases.
* Conducted performance tuning of PL/SQL queries and indexes to improve data retrieval speed and reduce system bottlenecks.
* Utilized **Kusto Query Language (KQL)** in **Application Insights** to analyze telemetry data, including request logs, performance metrics, exceptions, and custom events, enabling real-time monitoring, troubleshooting, and performance optimization.
* Integrated Azure Application Insights to monitor performance, track telemetry, and optimize reliability using custom logging and SDKs.
* Integrated MongoDB Atlas with cloud-based services (Azure Functions) to enable scalable, serverless processing of healthcare data, reducing infrastructure costs while maintaining high availability.
* Developed complex, full-stack solutions by integrating Blazor front-end with .NET Core RESTful APIs, ensuring secure data exchange through API controllers and HTTP clients.
* Integrated **Dapper** alongside **Entity Framework** to enhance data access speed in **Azure-based microservices**, ensuring faster querying of large datasets for real-time analytics.
* Leveraged Application Insights Analytics (Kusto queries) to create detailed dashboards and reports, providing insights into application performance, user behaviors, and error trends for better decision-making and optimization.
* Integrated Power Automate flows with Application Insights to monitor and log execution data, providing real-time insights into workflow efficiency and automation performance.
* Worked in full-stack teams, integrating Blazor components with ASP.NET Core MVC and Web API, ensuring efficient and secure data flow between the client and server.

**Technologies Used:** Azure (Function Apps, Blob Storage, Application Insights, Key Vaults), .NET Core, Blazor, AI Document Intelligence Studio, Kusto Query Language, SQL Server, Entity Framework.

**Client: CVS, Woonsocket, RI Aug 2022-Jun 2024**

**Role: Senior React Dot net Developer.**

**Project:** **CVS Health Connect.**

**Overview:**

I worked on CVS Health Connect, a secure and scalable healthcare management platform designed to enhance patient care and streamline hospital operations. I developed key functionalities such as patient registration, appointment scheduling, and secure communication with healthcare providers. Additionally, I implemented billing, reporting, and analytics modules to support administrative tasks while ensuring strict HIPAA compliance. The project was built using React,.NET Core, ASP.NET MVC, and SQL Server, with a focus on performance, security, and user experience**.**

**Responsibilities:**

* Developed core modules such as patient registration, appointment scheduling, and secure messaging using .NET Core and ASP.NET MVC, ensuring high performance and scalability.
* Designed and implemented RESTful APIs to integrate external systems like laboratory results, pharmacy services, and insurance verification systems, enabling seamless data exchange.
* Optimized database schemas created complex stored procedures, and fine-tuned SQL queries in SQL Server to enhance data retrieval efficiency and application performance.
* Built responsive and user-friendly front-end interfaces using ReactJS and Bootstrap, delivering a seamless user experience across multiple devices.
* Solved complex **data integration issues** between healthcare systems by optimizing SQL queries and using advanced indexing techniques in **SQL Server** to handle large datasets efficiently and reduce latency.
* Utilized **Docker** to containerize **.NET Core** micro services, ensuring seamless deployment and scalability of healthcare applications across multiple environments.
* Improved SQL Server database performance by creating smart indexes and tuning queries, reducing wait times for users and easing server load.
* Used Entity Framework Core and Dapper to connect backend services to the database, ensuring fast and scalable data access for the application.
* Developed and enhanced front-end applications using **ReactJS** and **Bootstrap**, delivering a seamless and responsive user experience for healthcare professionals across devices.

Integrated React front-end with ASP.NET Core RESTful APIs to enable secure, real-time data exchange and dynamic patient management features.

* Utilized **React Hooks** and **React Router** for efficient state management and navigation within the healthcare platform, improving application responsiveness and usability.
* Optimized React component performance through memoization and selective rendering, reducing UI latency in high-traffic healthcare environments.
* Integrated **React with ASP.NET Core Web API** to enable seamless communication between the front-end and back-end services, ensuring real-time updates and smooth data flow for healthcare professionals.

**Optimized React performance** by using **React hooks** and **React Router** to handle state management and efficient navigation within the platform, ensuring a responsive and fast user experience.

* Implemented **JWT** token-based authentication in **RESTful APIs** to secure sensitive patient data and streamline authentication and authorization processes in the **Sentara Health Connect** system.
* Developed and deployed healthcare applications on Linux servers using .NET Core, ensuring compliance with healthcare industry standards like HIPAA for secure data management.
* Implemented **Docker** for containerization of microservices, ensuring streamlined deployment of healthcare applications.
* Worked with **Kubernetes** to orchestrate cloud-based deployments for high-availability, high-performance systems.
* Integrated Kafka with ASP.NET Core microservices to enable seamless, event-driven communication between healthcare systems improving interoperability and data flow.
* Developed real-time notification systems using Redis streams to deliver critical alerts to healthcare professionals, such as medication reminders, emergency broadcasts, and patient status changes.
* Developed scalable microservices-based OSS solutions using ASP.NET Core and RESTful APIs.
* Ensured compliance with HIPAA by implementing advanced security measures, including data encryption, token-based authentication, and role-based access controls.
* Conducted unit and integration testing using xUnit and Postman, ensuring application reliability and functionality.
* Utilized Memcached to cache API responses in the Sentara Health Connect microservices architecture, reducing response times for patient queries, appointment scheduling, and real-time health updates for better system performance.
* Automated CI/CD pipelines using Azure DevOps, facilitating efficient deployment and minimizing release downtime.
* Designed, developed, and maintained core application modules such as patient registration, appointment scheduling, and secure messaging using .NET Core and ASP.NET MVC.
* Built and integrated RESTful APIs to enable communication with external systems, including laboratory results, pharmacy services, and insurance verification platforms.
* Integrated MVVM with RESTful APIs to ensure clean separation between UI and backend logic, making the app easier to extend and integrate with external services.
* Created and optimized database schemas, stored procedures, and complex queries in SQL Server to improve application performance and ensure efficient data processing.
* Architected and implemented a RabbitMQ-based messaging system at Sentara Health Care to enable secure, real-time data exchange between critical patient management and administrative systems.
* Configured RabbitMQ with message persistence and acknowledgments to ensure no data loss, supporting continuous and reliable operations in a mission-critical healthcare environment.
* Developed .NET Core microservices integrated with MongoDB to support real-time patient data retrieval, ensuring seamless communication between healthcare applications.
* Optimized MongoDB query performance for high-traffic healthcare applications by implementing indexing strategies (compound indexes, text indexes, geospatial indexes) and leveraging MongoDB’s aggregation framework.
* Implemented advanced security measures, including token-based authentication, encryption, and role-based access control, ensuring HIPAA compliance and protecting sensitive patient data.

**Technologies used:** C#, .NET Core, ASP.NET MVC, Angular, HTML5, CSS3, Bootstrap, SQL Server, T-SQL, Stored Procedures, RESTful APIs, Memcached,Postman, OAuth,Token-Based Authentication, Data Encryption, Role-Based Access Control (RBAC), xUnit, Git, Visual Studio, Azure Data Factory,Agile (Scrum), Azure Storage Explorer.

**Client: Capital One, West Des Moines, Iowa Aug 2020-Jul 2022**

**Role: .NET Full Stack Developer**

**Project:** **Customer Rewards Management System**

**Overview:**

I worked on the Customer Rewards Management System for Capital One, where the goal was to boost customer engagement. The system allowed real-time tracking and management of rewards points earned through credit card transactions. It included features like dynamic rewards calculation, personalized recommendations, and smooth integration with third-party merchants to create a seamless user experience.

**Responsibilities:**

* Designed and developed user-friendly interfaces using Angular for the customer portal.
* Implemented dynamic dashboards displaying reward points, redemption history, and offers.
* Used Bootstrap and custom CSS to ensure a responsive and consistent user experience.
* Built RESTful APIs using ASP.NET Core to handle real-time data processing and integration with external services.
* Employed **Dapper** to streamline data access for high-performance, scalable backend systems, reducing latency in handling customer rewards transactions and improving system efficiency.
* Developed microservices for modular and scalable backend architecture.
* Integrated with third-party APIs for merchant collaboration and real-time offer updates.
* Working knowledge on Azure cloud IaaS and PaaS Services.
* Experience in implementing Azure DevOps including creating builds, workflows, notifications and security tools integration.
* Worked Extensively with Angular CLI for creating components, Services, pipes, Directives.
* Updated the application with new features of Angular 8.
* Working knowledge on Azure cloud IaaS and PaaS Services.
* Experience in implementing Azure DevOps including creating builds, workflows, notifications and security tools integration.
* Worked Extensively with Angular CLI for creating components, Services, pipes, Directives.
* Construction of ASP.NET Web API 2 RESTful Services using GET, PUT, POST, DELETE verbs to consume it from MVC.
* Suggested latest upgrades and technologies for NoSQL databases.
* Evaluated system performance and validated NoSQL solutions.
* Managed and maintained Oracle and NoSQL databases in production domain.
* Developed .NET Core back-end software to automate VR therapy and revolutionize mental health and wellness by improving access to personalized services through technology.
* Migrated codebase to .NET Core 3.0, assisted in establishing CI/CD pipelines for back-end code.
* Develop new features and make them work across a variety of mobile/embedded operating systems and configurations.
* Perform automation tasks in PowerShell, Azure CLI and JSON form ARM templates.
* Configuration of Azure Virtual Networks, Subnets, DHCP, DNS, Network Security Groups, Load Balancers, Front door, Application Gateway, and Traffic manager.
* Worked on Visual Studio 2015/ .Net CORE 1.0 Framework to implement Business Logic.
* Followed TDD test cases by using Junit for unit testing for each and every module developed.
* Used Postman -Google Chrome extension for Web API service testing and debugging.
* Developed Native components to the camera, GPS, and other social networking APIs to integrate them to the Mobile Application.
* Developed microservices architecture with ASP.NET Core Web APIs to build modular and scalable applications.

**Technologies Used:** C#, .NET Framework 4.5, Xamarin , Xamarin Forms ,Xamarin Test cloud ASP.NET, XML, Web Services, JMS, Angular, Node, Java Script, PowerShell, Type script ,CSS, ADO.NET, ASP.NET Core, .NET Core, IIS 6.0, HTML, MS Excel, SQL Server 2017 and mu Studio 2017/2019

**Client :T Mobile, Dallas, TX Jun 2016 – Jul 2020**

**Role: .NET Full Stack Developer**

**Project:** **T-Mobile Customer Connect Application.**

**Overview:**

I developed the T-Mobile Customer Connect Application, a mobile platform designed to enhance customer experiences by providing seamless account management capabilities. The app allowed users to view real-time billing information, monitor data usage, manage service upgrades, and access personalized customer support. My focus was on creating a robust, user-friendly, and high-performance application with cross-platform compatibility (iOS, Android, and web). The project aimed to simplify account management and improve customer engagement through an intuitive and responsive interface.

**Responsibilities:**

* Designed the architecture for the T-Mobile Customer Connect Application using .NET MAUI, ensuring scalability, maintainability, and performance optimization.
* Developed an intuitive, responsive, and visually appealing user interface using .NET MAUI’s shared UI capabilities, ensuring a seamless user experience across Android, iOS, and Windows devices.
* Created secure RESTful APIs for real-time synchronization with T-Mobile’s backend systems.
* Integrated third-party APIs for extended functionality, including payment gateways and customer feedback systems.
* Conducted vulnerability assessments to address security concerns proactively.
* Utilized .NET MAUI to maintain a single codebase for Android, iOS, and Windows, ensuring feature parity and consistent behavior across all platforms.
* Create custom html helper controls for re-useable components.
* Optimized existing stored procedures and created views for different role users to improve business logic using My SQL and SQL Server
* Designed & developed components, and services using Angular ASP.NET 4.5, Bootstrap SQL Server 2017.
* Used Model View Controller (MVC) design pattern to develop service for a web application, ASP.NET Web API with C# as code behind.
* Used Bundling and Minification techniques to improve request load time using System. Web. Optimization.
* Involved in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Microsoft Azure PaaS Services, Strategy, and Planning.
* Implemented REST APIs with Azure service fabric stateless Micro services using ASP.NET Core.
* Developed web applications using technologies Angular, C#, WEB API, Entity Framework, SQL
* Used AutoFac for registering dependencies, an Auto mapper for mapping, fluent validation, Custom Data annotation for model and client-side validation.
* Create custom html helper controls for re-useable components.
* Optimized existing stored procedures and created views for different role users to improve business logic using My SQL and SQL Server
* Designed & developed components, and services using Angular ASP.NET 4.5, Bootstrap SQL Server 2017.
* Used Model View Controller (MVC) design pattern to develop service for a web application, ASP.NET Web API with C# as code behind.

**Technologies Used:** C#, .NET MAUI, Xamarin. Forms, Entity Framework Core, RESTful APIs, ASP.NET, Microsoft SQL Server, JWT Tokens.

**Client: ZENSAR TECHNOLOGIES**, India **Jun 2012-Dec 2014**

**Role: Full Stack Developer**

**Responsibilities:**

* Designed and maintained web applications using ASP.NET MVC 5, Entity Framework, Razor, WCF, jQuery, HTML5, CSS3, and XML.
* Upgraded and debugged legacy .NET applications to improve performance and compatibility.
* Built CI/CD pipelines with Jenkins, Docker, and Kubernetes; deployed scalable solutions using containerized environments.
* Implemented ADO.NET Entity Framework for robust data access and relational mapping.
* Developed and supported mobile/web applications based on customer requirements and agile practices.
* Integrated front-end packages via NPM and supported Angular-based module enhancements.
* Designed backend databases and ensured app compatibility across modern OS/software versions.
* Conducted technical evaluations and incorporated emerging tools to enhance application performance.

Provided client support, documentation, and training for final product rollouts.

**Environment:** WCFservices, windows 2012 server, visual 2012, node, java script, HTML, MS Excel, C#, ASP .NET, ADO.NET, IIS 6.0, XML, XSL, XSLT, CSS.

**Leadership Activities and Recognition:**

* Received Best team player award for exception client service at SE2 for managing and delivering the project effectively.
* Won two "Client Appreciation" awards for exceptional client service at Capital One.