**Shanmukh Gurram**

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**Full Stack .Net Developer**

**PROFESSIONAL SUMMARY**

* Over 10 years of experience as a Full Stack .NET Developer, specializing in the development and maintenance of complex financial and budget applications.
* Demonstrated extensive experience in IT, contributing to various projects with a strong focus on software development, system architecture, and project management.
* Proficient in Agile, Waterfall, and Test-Driven Development methodologies, adept at adapting to diverse project environments.
* Demonstrated ability to effectively communicate technical concepts to both technical and non-technical stakeholders.
* Excellent written communication skills evidenced by clear and concise documentation of technical processes and procedures.
* Proficient in verbal communication, capable of articulating complex ideas and solutions in a clear and understandable manner.
* Implemented performance tuning and optimization strategies to enhance system responsiveness and user experience in CIMOR.
* Proficient in C#, ASP.NET, VB.NET, and SQL Server, with a strong background in database management and optimization.
* Experienced in developing backend services, APIs, and business logic using C#.
* Experienced in developing backend services, APIs, and business logic using C#, capable of implementing CRUD operations, data manipulation, and application architecture.
* Adept at developing detailed technical infrastructure diagrams and specifications, ensuring clear communication and efficient project execution.
* Monitored and enforced data security protocols within CIMOR, protecting sensitive customer information through robust security measures.
* Strong problem-solving skills and a proven track record of delivering high-quality software solutions in compliance with state and federal regulations
* Proficiency in ORM tools like Entity Framework and LINQ for seamless data access and manipulation across various data sources.
* Hands-on experience with relational databases like SQL Server, Oracle, MySQL, etc.
* Able to ensure data consistency, integrity, and security through effective SQL implementations.
* Demonstrated expertise in developing robust and scalable applications using VB.NET, leveraging its object-oriented features and frameworks for efficient development.
* Experienced in ASP.NET MVC and Web API development, employing both database-first and code-first approaches with SQL Server.
* Proficient in setting up and configuring Jenkins for continuous integration and continuous deployment (CI/CD) pipelines.
* Experienced in automating build, test, and deployment processes using Jenkins.
* Skilled in leveraging the rapid development capabilities of 4GL languages to quickly prototype and deploy software solutions. Experienced in delivering high-quality applications within tight deadlines using 4GL RAD tools.
* Skilled in scripting tasks, automating processes, and enhancing system functionalities using Python and PowerShell.
* Expertise in front-end development technologies including Angular 10+, Typescript, jQuery, and AJAX for dynamic and interactive web applications.
* Nix shell scripts are commonly used for system configuration tasks on Unix-like operating systems. As a Full stack .NET developer, you may write shell scripts to automate the setup of development environments, install dependencies, configure web servers, or manage user permissions.
* Skilled in Windows Communication Foundation (WCF) and SOAP API for robust communication between distributed systems.
* Proficient in implementing CRUD operations in Web API using HTTP methods, ensuring effective data transmission.
* Optimized Blazor applications for performance, focusing on efficient state management and minimizing server round trips.
* Strong background in database design, normalization, and SQL scripting, with hands-on experience in MS SQL Server.
* Utilized Blazor alongside ASP.NET Core for full-stack development, ensuring consistent performance across front-end and back-end operations.
* Experienced in source control and version control using tools like Microsoft Azure DevOps, Jira, Git, and SVN, ensuring codebase integrity and collaboration efficiency.
* Extensively followed Agile Scrum Methodology for software development.
* Experience using Azure Storage blobs, Azure Service Bus, Azure Files, Azure storage tables, queues, Azure Cosmos DB, and Table API.
* Able to troubleshoot and debug Jenkins pipelines to ensure smooth software delivery processes.
* Experience using Amazon AWS Platform and used services of AWS like EC2, S3, RDS, EKS, Lambda, SNS, SQS, ECS, IAM, and Cloud Watch for environment instances.

**TECHNICAL SKILLS**

**.NET Technologies:** C#, .NET Core 3.1/6.0, ADO.NET, ASP.NET, WCF, LINQ, WinForms

**Web Technologies:**

- XML, HTML/HTML5, XHTML, CSS/CSS3, JavaScript, jQuery v3.0, Bootstrap

- Angular.js v6.0-14.0, React.js 16/17, Vue.js, Node.js, AJAX, JSON, PHP

- Angular Material, Material Design Frameworks, Jasmine Framework, Leaflet Design

**Databases:** SQL Server 2012/14/16/17/19, Oracle 8i/9i/10g/11g/12c, MS Access, DB2, DBeaver

**Middleware:** ADO.NET Web Services, Enterprise Library, Entity Framework 6.3/6.0/5.0, LINQ to SQL

**Scripting & Automation:** Utilized Python and PowerShell for scripting tasks, automating processes, and enhancing system functionalities

**Reporting Tools:** SQL Server Reporting Services (SSRS), Crystal Reports

**Application Servers:** Windows Server 2008/2003/NT, Microsoft IIS

**Operating Systems:** Windows Vista/XP/2000/2003

**IDE:** Visual Studio 2013/15/17/19/22, SQL Server Management Studio

**Frameworks:** .NET Framework 3.0/3.5/4.0/4.5/4.8, .NET Core 1.0/2.0/3.1/6.0, ASP.NET MVC 4.0/5.0

**Cloud Technology:** Microsoft Azure, AWS (Amazon Web Services)

**Professional Experience:**

**Full Stack .NET Developer**

1. **Mobile, Remote**  **Jun 2022 to Present**

**Project Description:**

As a pivotal member of the T-Mobile development team, I've spearheaded the creation of a cutting-edge microservices architecture application aimed at optimizing internal vendor operations. Over the span of two years, my focus has been on crafting a user-friendly portal, empowering vendors with comprehensive insights into T-Mobile users and product offerings. Embracing Agile methodologies, I actively contribute to sprint planning, refinement, retrospectives, and daily scrum meetings, ensuring project alignment with evolving requirements.

**Responsibilities:**

* Operated within a robust development environment comprising Visual Studio, .NET Core, C#, and ASP.NET Core, ensuring a streamlined and efficient development process.
* Knowledgeable about best practices for accessible web design and development, ensuring that website content is inclusive and user-friendly for all users.
* Leveraged Microservices architecture and RESTful API core technologies to build scalable and modular applications, enhancing flexibility and maintainability
* Developed and maintained Windows services, enabling seamless background processing and task automation within .NET applications.
* Employed SQL Server as the primary database management system, utilizing Entity Framework Core and LINQ for efficient data access and manipulation.
* Created detailed reports using Active Reports and StimulSoft, providing stakeholders with actionable insights and data visualizations.
* Developed front-end interfaces with Angular and ensured a responsive and visually appealing user experience across various devices and screen sizes.
* Extensive experience in Angular application development, including implementing accessibility features in compliance with WCAG standards.
* Integrated Azure services such as Azure DevOps, Azure Cosmos DB, Azure Bus, and Azure Pipelines, leveraging the power of the cloud for deployment, monitoring, and scalability.
* Implemented Identity Access Management and Azure Active Directory for secure authentication and authorization, ensuring data privacy and access control.
* Created detailed reports using Active Reports and StimulSoft, providing stakeholders with actionable insights and data visualizations.
* Utilized Swagger and Postman for API documentation and testing, ensuring the reliability and functionality of web APIs.
* Managed dependencies and packages using NuGet, ensuring efficient integration of third-party libraries and tools into the application environment.
* Extensive experience in Oracle development, including writing complex PL/SQL queries, stored procedures, and performance tuning.
* Experienced in integrating third-party APIs and developing custom APIs using VB.NET, facilitating seamless communication between different systems and enhancing application functionality.
* Strong proficiency in data manipulation and reporting features provided by 4GL environments. Experienced in generating reports, extracting data, and performing data analysis using built-in reporting tools or custom queries.
* Utilized EF Core for ORM, enabling seamless interaction with databases and efficient data access operations.
* Implemented CI/CD pipelines using Azure Pipelines to automate the build, test, and deployment processes.
* Developed comprehensive applications utilizing a diverse toolset including SSIS, SSRS, Blazor, Power Automate, Gulp, Bower, T-SQL, and WinForms, catering to varied business requirements.
* Extensive experience in developing .NET applications using C#, including implementing business logic, data manipulation, and application architecture.
* Utilized Azure Application Insights for monitoring application performance and identifying potential issues, ensuring a robust and reliable software environment.

**Environment** : .NET Core 6.0, C#, ASP.NET Core, Microservices, RESTful API, Angular, HTML, CSS, Node.js, MongoDB, SQL Server, Entity Framework Core, LINQ, Azure DevOps, Azure Cosmos DB, PL/SQL, Azure Bus, Azure Pipelines, Identity Access Management, Swagger, Postman, NuGet, XUnit, NUnit, Jasmine, Karma, GIT, SSIS, SSRS, Blazor, Power Automate, Gulp, Bower, T-SQL, WinForms, Azure Application Insights.

**Full Stack .NET Developer**

**Wells Fargo, Remote**  **Apr 2020 – May 2022
Project Description:**

In my tenure at Wells Fargo, I spearheaded the modernization of an existing project utilizing cutting-edge MS Technologies, notably C#, SQL Server, and Jenkins scheduler. My responsibilities encompassed both front-end and back-end development, leveraging ASP.NET for responsive and user-friendly interfaces and SQL for designing and optimizing database schemas. A key aspect of this project involved the implementation of a CI/CD pipeline using Jenkins scheduler, automating build, test, and deployment processes, thereby accelerating development cycles and enhancing application stability. Moreover, I demonstrated proficiency in leveraging AWS services such as Kafka, Eventbridge, Lambda, and EKS to architect and implement scalable and resilient solutions, streamlining claims processing, including adjudication, payments, and adjustments, ensuring accuracy and efficiency

**Responsibilities:**

* Orchestrated the modernization of an existing project using current MS Technologies, including MS SQL Server, .NET Framework 4.5 , MVC, jQuery, and LINQ.
* Spearheaded the modernization of an existing project, employing current MS Technologies including C#, SQL Server, and .NET Framework 4.5. 
* Developed responsive interfaces for banking applications using C# and ASP.NET, ensuring user-friendly experiences. 
* Optimized SQL database schema and wrote complex queries to handle banking operations efficiently, maintaining data consistency and integrity. 
* Implemented a robust CI/CD pipeline using Jenkins scheduler, automating the build, test, and deployment processes to accelerate development cycles and enhance application stability.Conducted meetings with Business users and project teams, ensuring alignment with dynamic business requirements.
* Demonstrated proficiency in leveraging AWS services such as Kafka, Eventbridge, Lambda, and EKS to architect and implement scalable and resilient solutions.
* Streamlined claims processing, including adjudication, payments, and adjustments, ensuring accuracy and efficiency.
* Extensive experience in designing, developing, and maintaining database schemas, tables, and stored procedures using 4GL tools. Proficient in writing complex SQL queries and optimizing database performance.
* Utilized C#.net and Entity Framework to develop components for Business and Data tier.
* Optimized T-SQL queries, enhancing database performance and efficiency.
* Implemented Html Helpers to streamline HTML tag typing in MVC.
* Created and documented test cases for Claims processing system based on project requirements.
* Successfully manipulated data from SQL Server database using ADO.NET Entity Framework.
* Developed and maintained SSIS packages for data import/export and added features to existing DAL libraries.
* Successfully designed and implemented serverless applications using AWS Lambda, leveraging event-driven architecture for efficient and cost-effective execution of microservices.
* Implemented and maintained stored procedures, views, and triggers for data manipulation in SQL Server database.
* Leveraged JSON results to optimize server-side performance.
* Managed code repository using SVN and configured version control with Team Foundation Server (TFS).
* Upgraded FACETS 5.3, adding new functionality and batches for claim adjustments.
* Developed UI based on Angular for DELETE Page Functionality, utilizing Web APIs as service files.
* Built Single Page Applications (SPAs) with Angular and NodeJS, implementing various Angular components and features.
* Leveraged Blazor to create interactive and responsive web interfaces, enhancing user experience and performance.
* Integrated Blazor components into existing applications to modernize the UI and provide a seamless, single-page application experience.

**Environment**:

ASP.Net Core, VB.NET, C#, ASP.NET Core MVC, ASP.NET Core Web API, Visual Studio, SQL Server, XML, IIS React, React Redux, React JS Thunk, React Native, RESTful APIs, SOAP APIs, Blazor, Entity Framework 6.3, LINQ, SQL, JWT, CI/CD, Jenkins, Docker, Terraform, AWS cloud, AWS EC2, EKS, S3 buckets, Cloud Watch, AWS Lambda, API gateway NuGet, NUnit, NetSuite, Power Automate, Moq, Jest, Mocha, NLog, Postman, Swagger, Python, Django, HTML, CSS, JavaScript, jQuery, Typescript Fiddler, GIT, Team Foundation Server (TFS), Agile Methodology.

**Full Stack .NET Developer**

**State of MD (DHS), Maryland**  **Feb 2018 – Mar 2020
Project Description:**

At the Maryland Department of Human Services, I spearheaded the development of the Customer Information Management, Outcomes, and Reporting Application (CIMOR), a cutting-edge web application leveraging a diverse tech stack including React JS and .NET Framework. My responsibilities ranged from crafting modern user interfaces using JavaScript, HTML5, and CSS3 to optimizing application performance through code optimizations and lazy-loading strategies. I integrated Azure services for seamless deployment and utilized Azure DevOps as a central platform for version control and continuous integration/continuous delivery (CI/CD) workflows. Additionally, I played a key role in developing RESTful APIs using .NET Web API framework and maintained seamless communication channels through SOAP-based APIs. My expertise in Agile and Scrum methodologies ensured efficient project management and sprint activities, contributing to the overall success of the project.

**Responsibilities**:

* Proficient in Agile and Scrum Methodology, effectively managing Sprint activities with VSTS.
* Expertise in developing modern User Interfaces using JavaScript, HTML/HTML5, CSS3, AJAX, jQuery, Bootstrap, and React JS.
* Enhanced code maintainability and reusability by crafting custom React.JS components within .NET projects.
* Optimized performance of React native and .NET applications through various techniques including code optimizations and lazy-loading strategies.
* Conducted SQL Server installations, regular maintenance, and performance optimizations, ensuring high availability and optimal performance of database systems.
* Managed Node.js application dependencies and executed NPM commands proficiently.
* Proficiency in Angular framework for building dynamic and responsive web applications, ensuring accessibility following WCAG guidelines.
* Maintained a Customer Information Management, Outcomes, and Reporting Application (CIMOR) in a mental healthcare setting, ensuring data integrity and optimal system performance.
* Developed Angular 8 components, services, and core functionality integrated with ASP.NET MVC Framework.
* Integrated with Azure Repos, GitHub, or other version control systems for seamless CI/CD workflows.
* Utilized EF Core for ORM, enabling seamless interaction with databases and efficient data access operations.
* Contributed to internal web applications using Vue.js, Node.JS, Express.JS, and MongoDB.
* Developed C# UI components and business modules, leveraging .NET Web API for efficient communication.
* Designed and maintained RESTful APIs using .NET Web API framework and SOAP-based APIs using .NET Web API and WCF.
* Utilized Azure DevOps as a central platform for version control, project management, continuous integration, and continuous delivery.
* Developed Razor views with ASP.NET Core, HTML5, CSS3, React JS, C#, and Telerik controls for seamless user experiences.
* Created Nix shell scripts to customize and configure development environments and applications.
* Integrated Azure services, monitored Cosmos DB, and implemented CI/CD pipelines using Azure DevOps for seamless deployment.
* Transformed conceptual designs into interactive user interface using HTML5, CSS3, and Bootstrap.
* Utilized EF Core for ORM, enabling seamless interaction with databases and efficient data access operations**.**

**Environment:** Visual Studio (2016/2018/2019), .NET Core, .NET Framework 4.5, ASP.NET MVC5, C#, VSTS, WPF, React Native, Java, Angular.js (8.0/9.0), Node.js, ExtJS, Express.js, MongoDB, SQL Server 2016, Microsoft Azure, Azure Service Bus, Azure DevOps, Azure Cosmos DB, Apache Kafka, Azure AD, ADFS, SAML, OAuth, SQL, LINQ, Entity Framework, ADO.NET, Web API, HTML5, CSS3, JavaScript, jQuery, WCF, XML, Swagger, Postman, IIS 7.0, NUnit, Power Apps, SharePoint Online, Selenium, Power Automate, Jasmine, Karma, GIT, Python, Django, MS Visio.

**.Net Full Stack Developer**

**Delta Airlines, Minneapolis, MN Apr 2017 to Jan 2018**

**Responsibilities:**

* Participated in daily Scrums with the whole team to discuss about the progress of the application development, specks to be taken care and specks that already completed.
* Designed responsive and user-friendly UI with MVC 4.0 Razor Views, CSS, Angular 6, and Bootstrap.
* Used ASP.NETMVC 4.0 Page Controller pattern to add functionality to individual pages such that to accept input from the page request, invoke the requested actions on the mode.
* Utilized Azure Key Vault for securely storing and accessing sensitive configuration settings, connection strings, and secrets within CI/CD pipelines.
* Configured and implemented Microsoft Distributed Transaction Coordinator (MSDTC), ensuring reliable distributed transaction processing across multiple systems.
* Designed and maintained Transparent Data Encryption (TDE) for SQL Server databases, enhancing data security and compliance with industry standards.
* Implemented Windows Azure Service Bus, Azure active directory, Azure cloud IaaS and PaaS Services.
* Deployed application to Azure cloud services. Managed Git repositories within Azure DevOps, collaborating with team members and tracking changes through branches, pull requests, and code reviews.
* Nix shell scripts can be utilized as version control hooks in Git repositories. For example, you can write pre-commit or post-commit hooks to enforce code formatting rules, run static code analysis, or trigger automated tests before code is committed to the repository.
* Created various RESTful services using WEB API to return serialized JSON data which are later consumed through Angular 6 services.
* Created typescript reusable components and services to consume RESTAPIs using component-based architecture using Angular 6.
* Worked on some of the new features of Angular 6 like new if else syntax, ng-templates, and form validators.
* Implemented client-side Interface using Angular 6 and Node.js to structure JavaScript code in an MVC.
* Implemented Attribute Routing, Token Based Authentication, and Error Handling and managed User Roles using WEB API.
* WCF mechanisms like seasoning, Instance Management, Concurrency to make our services more robust and scalable.
* Created and maintained database schema, tables, and views. Implemented stored procedures, indexes for better performance using SQL Server.
* Created SQL Server Reports using SSRS and exported them to Excel format for managers and QA team for easy validation.
* Worked with different Control flow tasks in creating SSIS packages.
* Performed data extraction, transformation, and loading (ETL) between systems using SQL tools such as SSIS.
* Utilized Jasmine, Gulp and NPM to build and test applications.
* Performed unit testing using Jasmine and end to end testing using Protractor.
* Extensive experience in Oracle development, including writing complex PL/SQL queries, stored procedures, and performance tuning.
* Utilized the TFS source control software to keep track of new and past versions of code written in my application.
* Implemented Unit Testing through MS Test and created tests for all functions used in the application.

**Environment**: Microsoft Visual Studio 2012/2013, ASP.NET, C#, MVC 4.0, VB 6, SQL, PL/SQL, WCF RESTFUL Service, Web API, SOAP, Azure, Angular 6, Jasmine, LINQ, N-Unit, Agile and Scrum, HTML, CSS, ADO.NET Entity Framework 6.0, FileNet, Oracle11g, SQL Server 2008, Windows Server 2008, SSIS, SSRS, Crystal Reports, SVN, TFS.

**C# Software Developer**

**State Farm, Chicago, IL Jan 2016 – Mar 2017**

**Responsibilities:**

* Implemented areas of web application based on ASP.NET MVC 5.
* Built the front-end view and auto-completed input textbox.
* Designed and developed front-end user interface using HTML5, CSS3, Bootstrap 3/4 and Angular 4.0.
* Implemented front-end Angular form validation, custom pipes to dynamically display and summarize data.
* Created application with Angular using TypeScript to create Directives, Components, Services, Pipes, Observables, form validation and Router for multiple components utilizing Router Guards and Navigation.
* Monitored CI/CD pipelines using Azure Monitor or Azure DevOps Insights to track performance metrics, identify bottlenecks, and optimize pipeline efficiency.
* Modified view pages in data representation layer using HTML 5, CSS 3, Bootstrap 3, JavaScript, and jQuery.
* Used View Bag, TempData, and View Model to display data in table format.
* Created convention-based and attribute-based routing in ASP.NET MVC 5 for redirecting url.
* Used Code First Migration generating database in ASP.NET and migrated the database to MS SQL Server 2014 by Entity Framework 6 migration. worked on the repository layer of Onion Architecture by Entity Framework 6.
* Applied NUnit for services and repository unit testing.
* Used partial class to improve the performance, separation of concern, reusability, and maintainability.
* Used the version control tool such as Git to update completed tasks.

**Environment**: MS SQL Server 2014, Angular 4.0, Visual Studio 2015, C#, ASP.NET MVC 5, Entity Framework 6, ADO.NET, HTML5, CSS3, Bootstrap 3, Postman, NUnit, and Git.

**Full Stack Developer**

**USINE Technologies, Hyderabad, India Sept 2013 – Nov 2015**

**Responsibilities:**

* Extended web application functionality by ASP.NET MVC 5 with Razor View Engine in n-tier architecture.
* Used jQuery and AJAX to pass and display data with Json object in the view.
* Created View Models to organize different views with data.
* Used a strongly typed view to prevent potential errors due to incorrect casting.
* Used Authorization and Authentication filters to support user login and registration related functionality in business logic layer.
* Applied error handler to different back-end services that corresponds to input type validation.
* Used Database First Approach to generate ADO.NET data model.
* Used Entity Framework 6 and LINQ to access the database in MS SQL Server 2012 for testing purposes.
* Worked on database design and implementation using normalization technique, temp table, Views, and stored procedures in MS SQL Server 2012.
* Managed the tasks by Jira source control tool and Git for version control.

**Environment**: MS SQL Server 2012, Visual Studio 2013, ASP.NET MVC 5, Entity Framework 5.0, ADO.NET, C#, Nunit, Jira, and Git.