

Gayathri Jagiri

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Professional Summary

Driven .NET Developer with 5+ years designing and delivering large-scale, compliant financial and public-sector applications. Proficient in C#, .NET Framework/Core, T-SQL, SSIS and Microservices, with hands-on experience building CI/CD pipelines using GitHub, Jenkins and container platforms. Adept at Test-Driven Development (TDD/BDD) and Agile practices, collaborating cross-functionally to meet stringent compliance and performance objectives.

Technical Skills

Web Technologies: Vue.js · XML · HTML/HTML5 · XHTML · CSS/CSS3 · Javascript · jQuery v3.0 · Bootstrap · Angular.js · Backbone.js · React.js · Ember.js v3.4 · Require.js v2.3.6 · Ext.js v7.0 · AJAX · JSON · PHP · Angular material · Material design frameworks

.NET Technologies: C# · .NET Core 3.0 · ADO.NET · ASP.Net 4.5/4.6 · WCF · LINQ

Databases: TSQL · MS SQL · SQLServer · Postgres · Oracle 8i/9i/10g/11g/12c/19c · MongoDB · MS Access · RDBMS · NoSQL databases · Redis · relational databases · DB2

Middleware: ADO.NET Web Services · Enterprise Library · Entity Framework · LINQ to SQL

Testing Technologies: JUnit · Sonar · XUnit · NUnit · Karate · Specflow

Monitoring: ELK · Splunk · Grafana · Prometheus

Build Tools: Gradle · Maven · Artifactory

Reporting Tools: SQL Server Reporting Services (SSRS) · Crystal Reports

Application Servers: Windows Server 2008/2003/NT · Microsoft IIS

IDE: Visual Studio 2019 · SQL Server Management Studio

Frameworks: .Net Framework 3.0/3.5/4.0/4.5/4.8 · ASP.Net MVC 4.0/5.0/6.0

Cloud Technologies: GCP · Microsoft Azure · Aws (Amazon Web services)

Development: ETL · Test Driven Development (TDD)

AI Tools: Gen AI tools · Co-pilot

Professional Experience

Florida Department of Highway Safety and Motor Vehicles

Florida, USA

Applications Systems Programmer III

Jul '25 - Present

- Collaboratively developed and meticulously maintained detail-oriented, scalable distributed systems and web applications using Visual Studio 2013/2015, ASP.NET MVC, C#, and JavaScript frameworks.
- Designed and implemented responsive web front ends by leveraging Bootstrap, Knockout, and Angular, while also conducting comprehensive code reviews to ensure quality and consistency. Additionally, contributed to backend development by designing RESTful APIs to enhance overall application functionality.
- Applied design patterns such as MVC, MVP, and SPA to create modular and maintainable codebases, leveraging containers and orchestration for optimized deployment and scalability.
- Designed and implemented backend solutions using SQL Server and/or Oracle, with a focus on performance and scalability.
- Wrote complex queries, stored procedures, and optimized database interactions to support robust web applications.
- Executed unit testing and system integration testing using the .Net Framework, enhancing ETL processing efficiencies and ensuring robust data integrity within the SQL Server database through modern frameworks and manual validation techniques.

- Implemented secure coding practices and system design using object-oriented programming and cloud technologies, ensuring compliance with data privacy and protection standards.
- Developed modular and maintainable codebases by applying design patterns such as MVC, MVP, and SPA within an Agile environment, leveraging the .Net Framework.
- Ensured AWS-based solutions and application design met state and federal data-privacy standards, leading security reviews and risk assessments.

Sprint Corporation

Overland Park, KS

.Net Full Stack Developer

Mar '24 - Jun '25

- Successfully implemented Agile Methodologies in a SaaS environment, enabling rapid development, regular adaptation to varying requirements, and continuous delivery of high-quality working software.
- Involvement in requirement gathering, analysis, designing, documenting, implementing, and testing websites for maintaining customizable components for different customers.
- Implemented and managed Sprint activities using Visual Studio Team Services (VSTS) to optimize applications for scalability and performance, leveraging both relational and NoSQL databases.
- Built numerous C# UI components and business modules by utilizing .NET Web API and WPF.
- Designing web pages and fixing performance issues in the application using HTML, CSS, JavaScript, Typescript, jQuery, bootstrap, knockout.js, C#, and Oracle.
- Implemented Presentation layer using CSS Framework, knockout.js, Wire-framing, HTML5.
- Working on various client internal frameworks to develop applications like HYDRA, CTS, and NEXTGENES.
- Creating Typescript reusable components and services to consume REST APIs & used Component-based architecture provided by Angular.
- Leading the design and implementation of unit tests for .NET applications using NUnit and xUnit testing frameworks.
- Developed Web Services and invoked them by using XML SOAP and WSDL for creating proxy classes. Used Web Services (SOAP, WSDL) for communicating with other applications and components.
- Creating and modifying stored procedures, views, and functions in Oracle, leveraging PL/SQL for efficient data manipulation and retrieval.
- Utilizing DevOps practices and tools such as Docker, Kubernetes, and Terraform to streamline CI/CD pipelines and automate infrastructure deployment.
- Worked with SAP Crystal Reports for designing and generating interactive, professional reports integrated with .NET applications.
- Implementing Language-Integrated Query to Entity Framework for data retrieval. Managed transactions in LINQ queries for Create-Read-Update-Delete (CRUD).
- Developing multiple front-end screens using Angular.js and utilizing various predefined components from the Node Package Manager (NPM) and Redux library.
- Creating different business classes and interfaces using .Net Framework with Object Oriented Programming Methodology.
- Optimizing Oracle queries to enhance application performance.
- Utilizing Postman for API testing, creating, and executing test collections to validate RESTful services.
- Experience working with Azure MicroServices.
- Integrated Kafka with microservices to handle high-throughput data ingestion and to enable seamless communication between services.
- Developing and integrating REST APIs to facilitate seamless communication between microservices, enhancing the scalability and maintainability of applications.
- Proficient in using Git for version control, facilitating efficient collaboration, and streamlined code management.
- Designing and developing web pages using HTML and CSS, incorporating Ajax controls and XML.
- Implemented Angular.js components such as Forms, Events, Keys, Router, Animations, and Flux concepts.
- Successfully converted the application to a Microsoft Azure Cloud Service Project as part of cloud deployment, demonstrating strong problem-solving skills and attention to detail, while also contributing to the continuous improvement of our cloud infrastructure.

- Designed and deployed microservices on Azure Kubernetes, integrated via REST APIs and Apache Kafka for event streaming.
- Managed CI/CD setup with GitHub Actions and Jenkins, automated artifact storage in Artifactory, and code-quality scans with SonarQube.

7T, Seven Tablets

Dallas, TX, USA

.Net Full Stack Developer

Aug '21 - Dec '22

- Followed the standard for Software Development Life Cycle Processes. Selection of a Life Cycle Model, Project Initiation, Project Monitoring and Control, Requirements, Design, Implementation, Installation, Operation, and Support.
- Developed and supported the application using ASP.NET Core with Razor syntax, C#.NET, AJAX, jQuery, Angular 4, JSON, HTML, JavaScript, Bootstrap, and CSS.
- Authorization and authentication standards and protocols experience.
- Created .NET Core Project Used Internet Information Services (IIS) logs to identify the issues on the web server and monitored application errors through event viewer.
- Use Visual Studio Code as my development tool and connect to APIs built using ASP.Net Core and Entity Framework Core using VS 2017.
- Utilized Dockers to develop Containers for the Microservices. Designed and Developed Container Management Rancher to publish Containers.
- Extensively worked on SQL Queries, Stored Procedures, and Triggers using T-SQL in SQL Server.
- Expertise in developing Windows services and web services both SOAP & RESTful API using ASP.Net Web API 2.
- Improved user experience using jQuery. Used Angular event handling mechanism to dynamically assign events on web controls.
- Based on the support tickets, fixed bugs on a priority basis Deployed Applications from Development TFS to Staging, Production Support, and UAT and Production servers.
- Created Azure Event Hubs for Application instrumentation and for User experience or workflow processing.
- Experience with SQL Server Reporting Services (SSRS) to author, manage, and deliver both paper-based and interactive Web-based reports. Foundation, XAML, and XML Involved in the migration of SSRS from SQL 2008 to SQL 2012.
- Experience in developing PowerShell, and C# codes for the automation of various applications using the REST APIs and SDK's.
- Involved in writing SQL Statements, Views, Indexes to validate data and ensure system integrity and security. Written LINQ functions for data access.
- Skilled in deploying Azure Active Directory, Identity & Access Management, Azure Multi-Factor Authentication, and Azure Trust Center.
- Implemented Azure Storage, Azure SQL Services, and deployed Azure Web role.
- Worked on CI/CD pipeline for Azure cloud services.
- Virtualized the servers using Docker for the test environments and dev-environments needs and configuring automation using Docker containers.
- Developed test-driven development (TDD) strategy guiding use of the xUnit testing framework.
- Used Team Foundation Server (TFS) for continuous integration and version control.
- Used Fiddler and Postman to debug web requests and responses to solve user issues on the client side.
- Utilized JCL (Job Control Language) to execute and manage batch jobs, ensuring efficient workflow automation and scheduling.

Hindustan Aeronautics Limited

Hyderabad, India

.Net Developer

Jun '20 - Jul '21

- Successfully contributed to the complete Software Development Life Cycle (SDLC), including Analysis, Design, Implementation, Testing, and Maintenance, by fostering a collaborative environment that spurred innovation and enhanced project outcomes.
- Successfully performance-tuned AJAX calls for UI interactions by utilizing jQuery to efficiently fetch and parse JSON data, while adeptly troubleshooting issues with Controller Actions to ensure seamless data retrieval and display.

- Leveraged full stack development skills to design RESTful APIs, utilizing jQuery and the AJAX framework to interact with RESTful and simple Asmx services for efficient data retrieval using JSON.
- Implemented CRUD functionality with Entity Framework in ASP.NET MVC and implemented sorting, filtering, and paging with Entity Framework in MVC.
- Implemented WEB API Services for CRUD operations with HTTP methods GET POST, PUT and DELETE.
- Implemented reusable React and JavaScript components to ensure consistency and efficiency across the application and integrated REST APIs with React components to fetch and manage data, enhancing the responsiveness and interactivity of the user interface.
- Build and maintain systems with .NET/C#, shell scripting and Windows PowerShell.
- Used SMTP mail class of .NET for the users to send mail with suggestions, receive any alerts, receive confirmation notifications etc., and used MSMQ for delivering message between applications.
- Created Indexes, Views, and Stored Procedures for quick and efficient retrieval of data using SQL Server 2012 and T-SQL.
- Used SSIS for data transformation from Excel database to SQL Server 2008 and SSRS for reporting.
- Leveraged Pivotal Cloud Foundry experience and working knowledge of APM tools to enhance system performance, while developing JUnit test cases for robust software validation. Actively participated in System Testing and utilized experience with SDLC tools and processes to ensure seamless integration and deployment.

Cholamandalam Health Insurance

Hyderabad, India

.Net Developer

Feb '19 - May '20

- Used AGILE SCRUM methodology to deliver in sprints and Status Meetings, Code Review Meetings.
- Involved in Building web applications with ASP.NET MVC 5, JavaScript, jQuery, HTML5, CSS3, NodeJS and Angular JS.
- Development on Client-side architecture for UI development using AngularJS, CSS and integration with MVC/Web API.
- Created a RESTful Web API service using ASP.NET Web API to generate data for the EMS which was then consumed in the front-end by the Angular framework.
- Written code to access secure Web Services using .Net, Web form using C# and ASP.NET, WSDL, Proxy Class, XML/SOAP.
- Designed, developed and utilized .Net Web services for the project and Development support for .Net web services in ASP.NET with C#.
- Implemented Security in Web Applications using Azure and Deployed Web Applications to Azure.
- Extensive use of Web Services, SOAP, XML, XSL to expose the reports to facilitate information sharing.
- Code functionality for utilizing IaaS Push notification services in Azure cloud
- Extensively used ADO.NET objects to populate Data sets, Data grid and Repeater controls for display and manipulation of records.
- Developed SQL Queries to fetch complex data from different tables in remote databases using Inner/Outer joins, sub-queries, accommodating complex filters and database links
- Configure Azure cloud service for end - point deployment, Deployed WCF services on Azure cloud.
- Understanding the concepts behind the C# and PowerShell scripts and their utilization in Automation.
- Integrated GitHub into Jenkins to automate the code check-out process.
- Performed Unit testing of the application and subsequently handled the debugging issues Used TFS (Team Foundation Server) for source Version Control.

Education

University of Central Missouri

Dec '24

Master's | Computer Science