**JAYA GATTUPALLI**

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**Sr. NET Full Stack Developer**

**SUMMARY:**

* Around 10 years of experience in full **SDLC,** including analysis, design, development, testing, deployment, and maintenance.
* Extensive experience in developing Client/Server applications in **3-tier** and **N-tier Architecture** and managing websites.
* Extensive experience in Designing, developing, and implementing web applications using **C#.NET, ASP.NET Web Forms, ASP.NET MVC, .NET Framework , .NET Core 6.0, ADO.NET, JSON ,WCF, WPF/WinForms, Microsoft Azure, SQL Server & SQL Azure and MSSQL.**
* Extensive experience in developing UI applications using **HTML, CSS, JavaScript(EC6/EC5), jQuery, Ajax, Typescript, JSON, Bootstrap, Angular, React , Vue.JS, Blazor.**
* Familiarity with various **Kendo UI** components such as Grid, Chart, Scheduler, Tree View, List View, and Dropdown List.
* Experience in designing and developing Microservices using **ASP.Net Core, EC2, RDS, Dynamo DB, S3**, Cloud watch, and Docker for its various advantages like loose coupling and design pattern.
* Experience in **RESTful API’s, Design Patterns (MVC, MVP, MVVM),** and code-first developments.
* Extensive experience in developing Single Page Application (SPA) using **Asp.Net MVC, Web API, Angular and React**.
* Experience integrating with authentication and claims-based authorization using **JWT, OAuth, and Azure Active Directory.**
* Strong proficiency with the installation, configuration, and administration of the **PostgreSQL** database management system.
* Proficient in installing, configuring, and maintaining **SQL Server** databases.
* Extensive experience in design patterns like **Factory pattern, Iterator Pattern, Proxy Pattern, Decorator Pattern.**
* Extensive experience in Microsoft **Azure Functions, App Service , App Insights, Web Apps, Cosmos DB, SQL Azure, Azure Storage, Azure Functions, Service Fabric & Logic Apps**.
* Experience in AWS cloud platform and its features including**IAM, EC2**, **VPC**, **Cloud Formation,** AWS Configuration, **Autoscaling**, **Cloud Front, S3, SQS, Lambda** and **Route53.**
* Experience in using tools like **Visual Studio.Net, VSTS, VSS, CVS, SVN, TFS, GIT & Bitbucket**.
* Experience in implementing **Multithreading**, Async/Await in **Asynchronous programming**.
* Experience with Data Accessing using **ADO.NET, NHibernate, Dapper** and **Entity Framework**.
* Experience in utilizing **UNIT testing** framework and followed **Test Driven Development (TDD)** to develop the Web applications for verifying the code integrity.
* Extensive experience in developing **YAML IaC pipelines using bicep & terraform** for creating azure resources.
* Extensive experience in developing CI CD pipelines for Build & Release using **Azure DevOps, Docker, Jenkins & Jules.**
* Expertise in messaging frameworks like **RabbitMQ, MSMQ, Solace**.
* Proficient in unit testing using **NUnit** and **MOQ**, with a focus on ensuring code quality and utilizing SonarQube for unit test coverage validation.
* Proficient in using **Git** for version control, including creating repositories, branching, merging, and resolving conflicts.
* Involved in all stages of SDLC including designing, coding, testing, and implementing the application following Scrum (Agile) methodology with **SCRUM** and **Kanban**.

**Technical Skills:**

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| **Development Tool (IDE)** | Visual Studio 2017/2015/2013/2010/2008 |
| **Programming Languages** | C#, VB .Net. Python. |
| **Frameworks** | .Net 5.0/4.6/4.5, NET Core 6.0, ASP.NET MVC 5.0/4.0/3.0, ASP.NET Web Forms, Web-Service, Win Forms, WPF, .NET Entity Framework 6.0/5.0/4.0/3.0/2.0, ADO.NET, WCF, Web API, Angular 15/14/13/12/10, React 17/16/15 |
| **Web Technologies** | HTML, CSS, XML, JSON, JavaScript(ES6/ES5), jQuery, ASP.Net Web API, Ajax 3.0/2.0, Bootstrap, ASP.NET Core, Blazor, Web Accessibility |
| **Databases** | MS SQL Server 2019/2016/2017/2008, MS Access 2010/2007, oracle 19g/11g/10g, RDBMS, Azure SQL, Mongo DB, Cosmos DB |
| **Middleware** | REST API, WCF, Web Services and ADO.NET 4.0/3.5/3.0/2.0,  |
| **Configuration & Version Control Tools** | Visual Source Safe -VSS, Team Foundation Server-TFS, GIT, Bitbucket, JIRA |
| **Reporting /ETL Tool** | SQL Server Reporting Services (SSRS 2008/2005), Crystal Reports, RDLC. Informatica ETL, SSIS.  |
| **Modeling Tools** | UML, MS Visio 2010/2007 |
| **Operating Systems** | MS Windows 2019, 2008 R2, Windows NT 4.0, XP, Windows 7, 10. and Linux, Windows Server 2012/2008/2003 |
| **Microsoft Internet Information Services** |  Microsoft IIS (8.0/7.0/6.0/5.0/4.0)  |
| **Bug Tracking** | JIRA, Mercury TD, Mantis 1.0.8, Fug Buzz, Bugzilla |
| **Deployment Tools** | TFS, Jenkins, Azure, DevOps |
| **Agile** | Scrum, Kanban |

**PROFESSIONAL EXPERIENCE:**

**Full Stack .net Developer Mar 2021 to Current**

**Homesite insurance, Boston, MA**

**Project Description:** This project encompasses the end-to-end development and deployment of a diverse range of Windows and web applications, showcasing a versatile skill set across various technologies. This includes the creation of a sophisticated, multi-threaded enterprise software agent utilizing WCF web services hosted in IIS. The front-end development is marked by dynamic, responsive web interfaces crafted with HTML5, Angular, MVC 5, JavaScript, Json, CSS, and Bootstrap.

**Responsibilities:**

* Played key role in feature implementation and enhancement, code refactoring and bug fixing.
* Participated in UI design with Master Pages in MVC and improved layout with HTML5, Bootstrap, Bootswatch and CSS.
* Implemented module bundling using Webpack to organize and optimize JavaScript code, improving performance by reducing the number of HTTP requests.
* Used Angular, Typescript to develop templates, controllers, and directives for UI development.
* Developed responsive web applications, ensuring cross-browser compatibility and optimal performance.
* Designed and developed modular and reusable Angular components for scalable applications.
* Implemented client-side routing in Angular to create a single-page application (SPA) architecture for a smoother user experience.
* Utilized NgRx effects to manage asynchronous operations, such as API calls and data manipulation.
* Created modular and reusable UI components in Blazor, promoting efficient development and code maintainability.
* Managed application state effectively, allowing for real-time features like live updates and data synchronization in server-side Blazor application.
* Employed jQuery, REST API, and Web API to facilitate seamless communication between front-end and back-end components.
* Implemented RESTful API endpoints for data retrieval and submission, ensuring seamless JSON data exchange.
* Developed classes in Business Layer and Data Access Layer in C#.
* Designed and implemented authentication and authorization mechanisms using OAuth 2.0 and JWT, enabling secure access to protected resources while maintaining user privacy.
* Utilized ASP.NET Core MVC for building responsive and user-friendly interfaces.
* Extensively used ASP.NET server controls, Messaging, XML, Windows Services, User control for error handling and diagnostics.
* Designed, developed, and maintained WCF services to enable communication between distributed components and applications.
* Wrote complex SQL queries and developed stored procedures and functions in SQL Server and Oracle environments, optimizing database performance.
* Managed database transactions effectively using Entity Framework, ensuring data consistency and integrity across SQL Server operations.
* Generated data migration and transformation using SSIS and built reports with SSRS and deployed using Azure DevOps.
* Created custom dashboards and reports within Azure DevOps to monitor project progress, track key performance indicators, and visualize sprint metrics.
* Designed and implemented serverless architectures using Azure Functions, reducing infrastructure costs and improving scalability.
* Involved in Debugging and Supporting the application and Performed Unit Testing (using N-Unit and MS-Unit).
* Customized TFS workflows, templates, and extensions to accommodate project-specific requirements.
* Performed CI CD using Azure DevOps, Jenkins.
* Conducted code reviews and provided mentorship to team members on best practices for development ensuring code quality and maintainability.
* Utilized Jira for effective backlog management, prioritizing user stories and tasks based on business priorities and sprint goals.
* Implemented the Agile and Sprint Methodologies and participated in Scrum ceremonies.

**Environment:** Visual Studio 2019,C# 9.0, ASP.NET core 6.0, MVC5, jQuery, Java script, Bootstrap 4, IIS, HTML5, CSS, Angular, SSIS, SSRS, Blazor, Entity Framework, Microservices, Azure DevOps, Docker, Jira, MS SQL Server 2019.

**.Net Developer** **May 2019 to Feb 2021**

**Molina healthcare, Bothell, WA**

**Responsibilities:**

* Took end-to-end responsibility for the designing and ensuring high-quality delivery of multiple customized modules and components developed.
* Worked on ASP.NET MVC, C#, Entity Framework, HTML5, CSS3, jQuery, and Ajax to design and developed responsive client-side application to integrate with server side using React, Node.js, and Bootstrap.
* Employed Node.js for server-side rendering (SSR) in conjunction with React, improving SEO and overall page load times.
* Designed and developed application using .NET Core, ensuring optimal performance and responsiveness.
* Ensured cross-browser compatibility, conducted testing, and addressed compatibility issues.
* Created RESTful services using Web API, leveraging HTTP services and formatting responses using web API media type formatter for JSON.
* Designed email HTML templates and implemented email notification service endpoints.
* Designed, developed SOAP Web Services using WCF Services with .NET, C#.NET and Hosted on IIS and Unit tested with MS Unit Framework, C#.
* Integrated with third-party APIs for payment gateways and shipping services, enhancing the website's functionality and customer convenience.
* Implemented a dashboard application using WPF, featuring dynamic data visualization and responsive design principles.
* Developed custom View Models to encapsulate the application's logic using WPF.
* Implemented Single Sign-On (SSO) solutions using OAuth 2.0 to enable seamless access to multiple applications with a single set of credentials.
* Ensured API security by validating JWT tokens and enforcing access control policies, enhancing the overall security posture of web services.
* Designed and developed SQL Server Stored Procedures, User-Defined Functions, Triggers, and Views to handle all the DML (Data Manipulation Language) operations required by the application.
* Deployed and managed AWS EC2 instances, including Windows and Linux servers, optimized for various workloads.
* Developed serverless applications using AWS Lambda, API Gateway, and DynamoDB.
* Automated tasks using AWS Step Functions for efficient workflow management.
* Managed data storage using Amazon S3, EBS, and Glacier for scalability, durability, and backup.
* Implement LINQ functions using Lambda Expression to perform CRUD operations on different SQL and NoSQL servers.
* Developed and executed automated tests using NUnit.
* Established GitHub workflows, enhancing the development team's code review and collaboration process.

**Environment:** Visual Studio 2019+, C# 5.0, Entity Framework 6.0, SQL Server 2019, AJAX, XML, GIT, HTML, CSS, MVC, WPF, AWS, ASP.Net Core, Jira, NUnit, React.

**.Net Developer** **Oct 2018 to Apr 2019**

**Truist Bank, Charlotte, NC**

**Responsibilities:**

* Worked closely with the business user group to understand the requirements and the need of the system.
* Worked on development process of Microservices– high-level design, implementation, testing, deployment, and support of product adhering to company SDLC.
* Implemented entire project using Object Oriented Programming (OOP) Methodology and developed the Web Based Application using MVC5 architecture.
* Developed and designed Hybrid-Single Page Application using C#, .NET Framework 4.0, ASP.NET MVC 5, HTML, CSS and Angular.
* Developed responsive web applications, ensuring cross-browser compatibility and optimal performance.
* Utilized Kendo UI's data binding capabilities to efficiently display and manage data from various data sources, including RESTful APIs and databases.
* Responsible for generating bills and notices in PDF format and worked on payment gateway integration with cyber source for credit card payment process.
* Extensively used ADO.NET objects to communicate with SQL Server database.
* Developed the project in the client environment based on agile methodology.
* Responsible for maintaining unit test case documents to sync with the QA Team.
* Created custom dashboards and reports within Azure DevOps to monitor project progress, track key performance indicators, and visualize sprint metrics.
* Implemented and maintained Web Services using SOAP protocols, ensuring compatibility with legacy systems and third-party integrations.
* Modernized legacy .NET applications into cloud-native microservices architecture, deploying on Azure Kubernetes Services (AKS) and Azure App Services.
* Integrated Azure Active Directory for identity and access management, implementing Single Sign-On (SSO) for applications.
* Built Data Sync job on Windows Azure to synchronize data from SQL 2012 databases to SQL Azure.
* Created Azure Event Hubs for Application instrumentation and for User experience or workflow processing.
* Conducted thorough code reviews, applying best practices and optimization techniques for Azure and Snowflake integrations, ensuring high-quality and maintainable solutions.
* Managed environments for legacy codes using specific Docker containers based on the required architecture.
* Analyzed the existing application programs and tuned SQL queries using Execution plan.
* Created Scheduled Tasks for regular Database Backup Activities & DB Jobs.

**Environment:** Visual Studio, ASP.NET MVC, C#, Web Services, Web API, Micro services, jQuery, Bootstrap, HTML, XML, XSD, XSLT, SQL Server, JavaScript, Kendo UI, IIS, HTML, CSS, Azure, TFS, Maven, JUnit, Git.

**Software Developer**  **Aug 2016 to Jun 2018**

**EnH iSecure, India**

**Responsibilities:**

* Created views in MVC 5.0 using Razor Syntax.
* Used HTTP (post and get) to retrieve data through Web API from entity framework.
* Worked in Agile software development model for quicker fixes and enhancements in live website.
* Worked on GitLab source control to keep track of daily code changes and reporting and monitoring the issues and fixes.
* Worked on application performance enhancement in GUI and in database by performance tuning tools and techniques.
* Deployed and maintained the applications on IIS (Internet Information Services).
* Designed, developed, and maintained scalable RESTful APIs for middleware and partner applications using C#,VB.NET, ASP.NET Core, bash/shell script, JSON/XML data formats.
* Implemented industry best practices for API security, policies, and versioning strategy.
* Designed, developed, and maintained API cache load programs and strategies.
* Utilized HQL (Hibernate Query Language) and Criteria API to execute complex database queries, providing a high-level object-oriented approach to data retrieval.
* Performed capacity and performance testing of APIs.
* Implemented a data access layer using ODP.NET and Entity Framework, providing a seamless integration of Oracle-specific data types and database operations in an enterprise-grade application.
* Worked in Software Configuration Management, setting up company Version policies utilizing Team Foundation Server (TFS).
* Worked with Oracle PL/SQL Queries using joins, Indexes and in creating Tables, Views, Indexes, writing Stored Procedures, Functions and Triggers using Oracle 11g, Maintaining Database, and Query Optimization.
* Created documentation for programs, process flow, test scripts or other software application needs, with the supervision and technical direction of the API development team lead.
* Developed detailed design, technical design, and unit test plan; functional program design and technical program design, as needed.

**Environment:** Visual Studio, C#, Entity Framework, ORM, Oracle ODP, AJAX, XML, TFS, IIS, Web Services, LINQ, HTML, CSS, MVC, API.

**Dotnet developer Jun 2014 to Sep 2016**

**7-Eleven, Bangalore, India**

**Responsibilities:**

* Used C#.Net, ASP.Net for GUI design and business logic implementation.
* Developed MVC architecture-based application.
* Developed Desktop Application using **WPF, XAML**.
* Developed an ADO.NET component to update SQL 2000 server database using stored procedures.
* Created the design documents with new requirements gathered by the SME.
* Implemented Base classes to generalize the middle tier code.
* Development of forms to display information about hot food and grills in the store.
* Developed active reports to display the hot food item information.

**Environment:** Angular, C#, Asp.net, MVC, Oracle 11g, WPF, Kendo, UI.

**Education details:** Bachelor of Technology – Computer Science (2014) - Jawaharlal Nehru Technological University, India.