**Hemanth Kumar Suddala**

**Sr. .Net Full Stack Developer**

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* Over 11+ Years of IT experience with Involvement in all phases of Software Development Life Cycle (SDLC) such as planning, analysis, design, implementation, testing and maintenance of Web Based, Client-Server and N-tier Architectures
* Technical expertise in Microsoft Technologies, such as .NET Framework (2.0/3.0/4.0/4.5/4.6), ASP.NET Web Forms, ASP.NET MVC 4.0/3.0, C#, VB.NET, Web Services, RESTful Services, Web API, WCF, WPF, Entity Framework, Silverlight 4.0/3.0, LINQ, IIS 8.0/7.0/6.0, SOAP, XML, DOM, XSL, XSLT, HTML 5, Java Script, JQuery, AngularJS, Angular2/4/6/8/9/10, ReactJS, NodeJs, CSS3, HTML5, VB Script, Visual Studio.Net 2015/2013/2012/2010/2008/2005, AJAX, ADO.NET, XML
* Expertise in overseeing the end-to-end Full Software Development Lifecycle process, from analysis and design to implementation, testing, and maintenance.
* Proficient in Agile practices, including daily scrums, paired programming, and test-driven development (TDD) to ensure efficient and collaborative development.
* Contributed to the design and implementation of microservices architecture for enhanced scalability and maintainability.
* Skilled in using ASP.NET Core Web API and C# to create robust backend logic and RESTful APIs, facilitating seamless communication between frontend and backend systems.
* Experienced in SQL Server and PostgreSQL, optimizing database schemas, writing complex SQL queries, and implementing database-related functionalities.
* Leveraged Microsoft Azure and AWS cloud services to deploy, manage, and optimize applications, ensuring high availability and security.
* Implemented OAuth2 authentication for secure connections, monitored and enhanced security using Azure Security Centre, and ensured data integrity with JSON.
* Proficient in Git, GitHub, GitLab, and Bitbucket for version control and collaborating with development teams.
* Utilized CI/CD pipelines for automated builds and deployments, ensuring rapid and reliable software delivery.
* Developed responsive and user-friendly frontend interfaces using HTML5, CSS3, jQuery, and JavaScript frameworks like Angular, enhancing user experiences.
* Conducted unit testing (NUnit, XUnit) and component testing, ensuring software quality and reducing defects.
* Created detailed API documentation using Postman's features, streamlining API testing and integration.
* Utilized Docker and Kubernetes for containerization and orchestration, optimizing application deployment.
* Proficient in JIRA, Trello, and Azure DevOps for project tracking, issue management, and collaboration.
* Incorporated Kafka and RabbitMQ for efficient and fault-tolerant message processing, enhancing overall system responsiveness.
* Conducting performance testing of financial applications using JMeter to ensure they can handle expected loads and maintain efficient response times.
* Leveraged Log4Net for comprehensive monitoring, error tracking, and performance optimization, contributing to enhanced system reliability.
* Designed and implemented data visualization modules, improving data-driven decision-making capabilities.
* Implemented dependency injection patterns (ASP.NET Core DI) for enhanced modularity and testability.
* Utilized MongoDB for optimized data storage and retrieval in high-volume scenarios.
* Developed Web Forms, User Controls, AJAX Web Forms, and HTML pages to deliver dynamic web applications.
* Expertise in integrating third-party services, RESTful APIs, and SOAP services to ensure seamless data exchange and system integration.
* Specialized in developing solutions for the financial sector, including payment gateways, FIX protocol messages, and financial data visualization.
* Extensive experience in telecom network monitoring, real-time data processing, and integration with AWS services.
* Proficient in identifying and resolving issues, optimizing performance, and enhancing system reliability.
* Effective team leader with experience leading cross-functional teams, facilitating coordination, and ensuring project success.
* Excellent communication skills for collaborating with stakeholders, reporting project progress, and addressing issues.
* Experienced in Waterfall SDLC methodology for structured project planning and sequential development processes.
* Utilized ORM frameworks such as ADO.NET to facilitate efficient and reliable database interactions.

**TECHNICAL SKILLS:**

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| Programming Languages: | C#, .NET Core, VB.Net, Python, Java, OOP concepts |
| Development Stack | .NET Framework, ASP.NET Core Web API, ASP.NET MVC, Entity Framework, RESTful APIs, JSON, and XML data interchange, OAuth2 authentication, Real-time user interactions with AJAX |
| Web Technologies: | ASP.NET Core, Razor Pages, Blazor |
| Front-End Technologies: | HTML5, CSS3, JavaScript (including jQuery), Angular 10 | 5, React, Telerik/Kendo controls, JavaScript libraries (e.g., Bootstrap) |
| API Development | ASP.NET Web API, Microservices |
| Microsoft .NET Technologies and Tools: | .NET Core/.NET 5+, .NET 6, .NET 7, ASP.NET Core 6, ASP.Net MVC version 4|5, ADO.NET, LINQ, Web Forms, SharePoint Server 2013/2019/SharePoint Online, Win Forms, Docker, JIRA, Bamboo, Microsoft .Net Share Point |
| Testing and Quality Assurance | Unit testing (NUnit, XUnit), Integration testing (Jasmine), API testing (Postman), Swagger, Test-driven development (TDD), Bug tracking and reporting |
| Dependency Injections | Microsoft. Extensions |
| Security | Authentication/Authorization, JWT, DocuSign, OAuth2, Azure Security Center. |
| Patterns | MVC, MVC2, MVC3, MVC5 |
| Internet Applications | AJAX, XML, XSL, XSLT, XAML, WCF Services, WPF, MV VM |
| Cloud and DevOps | Microsoft Azure, Azure Security Centre, Azure DevOps (CI/CD pipelines), AWS (Lambda, S3, RDS), Docker and Kubernetes, Continuous integration and continuous deployment (CI/CD). |
| Web Services and APIs, Protocols | Microsoft IIS, RESTful and SOAP, HTTPS, TCP/IP |
| IDE | Microsoft Visual Studio, Visual Studio Code, Eclipse, Android Studio, Xcode, Xamarin Studio |
| Packages | MS Office 2007/2010(MS-Word, Excel, Visio, and Power Point), MS Project, MS Office |
| Database and Data Access | SQL Server (various versions), ADO.NET for data access, Entity Framework (EDMX), LINQ to SQL and LINQ to XML, MongoDB (NoSQL), PostgreSQL |
| Other Tools and Technologies | Kafka, RabbitMQ, Log4Net, Visual Studio Code, SQL Server Management Studio (SSMS). |
| Version Control and Collaboration | Git (GitHub, GitLab, Bitbucket), Visual Stdio, TFS (Team Foundation Server), SVN, JIRA and Azure DevOps for project management, Collaboration tools (Trello). |

**PROFESSIONAL EXPERIENCE:**

**Client: Los Angeles Housing Department (LAHD), LA Dec 2023 to May2024**

**Sr. .Net Full Stack Developer**

* Architect, Designing Design, development and implementation of mission critical applications using the .NET Core and SQL technologies
* Getting data from different databases and display the data into system.
* Understood the functional and business requirements of the project by organizing review sessions to stake holders.
* Developed front-end user interface modules by mainly using Mud Blazar, C#. Net, JavaScript, J Query and bootstrap.
* Involved in client meetings to understand the issues in the production environment if any to resolve them with hot fix.
* Developed and implemented strategies for efficient data capturing and storage within .NET applications.
* Ensured data integrity and consistency through proper normalization and indexing.
* Example: Created a data capturing mechanism in a .NET Core application to collect and store user feedback, ensuring the data is normalized and indexed for fast retrieval.
* Designed and implemented database schemas using T-SQL in SQL Server to support application functionalities.
* Utilized SQL Server Reporting Services (SSRS) to generate and present reports as per business requirements.
* Components Developed in C#. Net to process the business logic
* Developed a .NET Core application to interface with the POS system, enabling case workers to input and retrieve data electronically.
* After translating a Java-based payroll system to .NET, identify performance bottlenecks using .NET profiling tools and optimize the code to process payroll faster.
* Created comprehensive test scenarios to ensure that the .NET version of a COBOL-based claims processing system produces the same results as the original system.
* Developed a migration plan to gradually transition a COBOL-based banking system to a .NET platform, ensuring that each module is thoroughly tested before going live.
* Developed Forms and Reports as per the business requirements.
* Building clean and efficient code based on user needs
* Testing software and debugging for any issues
* Performed unit testing of code modules to ensure reliability and functionality.
* Collaborated with QA engineers to identify and fix bugs and ensure overall application quality.
* Identifying and deploying software tools, systems, and components
* Monitoring and upgrading existing systems
* Implementing quality assurance standards
* Writing and updating technical documentation

**Client: AIG life & Retirement, Houston, TX Oct 2021 to till Nov 2023**

**Sr. .Net Full Stack Developer/Lead Dot Net Developer**

**Responsibilities:**.

* Involved in the complete Software Development Life Cycle including Analysis, Design, Implementation, Testing and Maintenance
* Used Agile methodologies with daily scrums, paired programming using TDD and continuous integration.
* Developed RESTful APIs using ASP.NET Core Web API to facilitate communication between frontend and backend systems.
* Wrote front-end code like HTML, CSS, JQuery for assigned User requirements using BackboneJS, AngularJS and various other JavaScript frameworks.
* Contributed to the design and implemented microservices architecture for improved scalability.
* Designed the front end of the application using Python 2.7, HTML, CSS, AJAX, JSON and JQuery.
* Creatied JMeter test scripts to simulate various user interactions, including API calls and transactions within the financial applications.
* Designed and developed end-to-end solutions using C#/.NET Core for backend services and Vue.js for frontend development.
* Developing complex ETL processes using SQL Server Integration Services (SSIS) to extract, transform, and load data from various sources into data warehouses or data marts. This involves understanding business requirements, data modeling, and ensuring the efficient and accurate flow of data
* Implemented and maintained UI/UX best practices in collaboration with designers.
* Ensured a consistent and intuitive user experience across the application.
* Implemented security best practices for both frontend and backend components.
* Addressed security concerns related to data storage, transmission, and user authentication.
* Implemented responsive and user-friendly UI/UX experiences using Vue.js.
* Developed and deployed applications on the Azure cloud platform.
* Utilized Azure services such as Azure App Service, Azure Functions, Azure Storage, and Azure SQL Database.
* Implemented IoT Edge solutions for edge computing scenarios.
* Connected and managed devices at the edge using Azure IoT Edge services.
* Maintained Continuous Integration and Continuous Deployment (CI/CD) pipelines for automated building, testing, and deployment.
* Integrating ETL processes with existing data warehouse architectures, ensuring compatibility and efficiency in data storage and retrieval
* Used Azure DevOps or other CI/CD tools to streamline the development lifecycle.
* Deployed application on test, production servers and managed application using Microsoft Azure and configured Azure cloud service for end point deployment.
* Developed html views with HTML5, CSS3, jQuery and JavaScript frameworks like Angular10.
* Spearheaded the adoption of Angular 10 within a highly regulated financial environment to deliver responsive and secure user interfaces.
* Identifying and resolving issues in ETL processes and SSRS reports. This involves debugging, root cause analysis, and implementing fixes or enhancements to prevent future issues.
* Implemented SQL queries and interacting with databases (SQL Server) to optimize database schema also implemented Expression Trees to get the data from SQL and XML using LINQ to SQL and LINQ to XML.
* integrated secure payment gateways (Authorized .NET, PayPal) into Capital One's digital platforms, allowing users to seamlessly make online payments through certified and trusted channels ensuring

**Environment**: .NET Core, C#, JSON, JavaScript, Pyhton, ASP.NET Core Web API, ADO.Net, Angular10, HTML5, CSS3, RESTful APIs, SQL Server, Kafka, NUnit, XUnit, Jasmine, Git, Postman, Visual Studio, Bamboo, JIRA, Microsoft Azure, TDD, LINQ, Kendo (Telerik).

**Client: Lululemon - Dallas, TX Apr 2019 to Sep 2021**

**Sr. .Net Full Stack Developer**

**Responsibilities:**

* Working in Agile Methodologies for rapid development (e.g., Scrum, Kanban) and regular adaption to the varying requirements and continuous delivery of the working software.
* Created Rest Services using ASP.NET Core Web API and C#.
* Implemented dependency injection patterns i.e., ASP.NET Core DI
* Designed and implemented integration components using ASP.NET (C#) and JavaScript, using latest industry standards and best practices as well as Restful API layer along with calls to consume an API layer.
* Implemented Data access layer using Entity Framework- EDMX to connect and retrieve or manipulate database information.
* Keeping up-to-date with the latest developments in ETL methodologies, .NET technologies, SQL Server features, and best practices to continually enhance skills and apply modern solutions in the ETL and reporting processes.
* Creating comprehensive documentation for ETL processes and report designs, and ensuring best practices are followed in SSIS and SSRS development. This includes documenting the data flow, transformations, and logic applied in the ETL process**.**
* Designed and implemented RESTful APIs using C# and .NET Core.
* Ensured proper documentation and versioning of APIs for smooth integration.
* Designed database schemas and optimize queries for efficient data retrieval.
* Worked with Azure SQL Database or other appropriate database solutions.
* Designed and implementd microservices architecture for scalable and modular applications.
* Leveraged Azure Service Fabric or other microservices frameworks.
* Developed frontend components using Vue.js and ensure seamless integration with the backend.
* Collaborated with teams or individuals working on Django-based components.
* Implemented responsive and user-friendly frontend interfaces using HTML, CSS, and JavaScript.
* Converted dynamically generated HTML page to PDF using JavaScript, Bootstrap.
* Working closely with other team members, including database administrators, data analysts, and business stakeholders, to ensure that the ETL processes and reports meet business needs and expectations.
* Utilized SQL Server to design and optimize database schemas, improving query performance by 40%.
* Developed Stored Procedures, Triggers, and Views in SQL Server 2017 for accessing the database.
* Deploying SSIS packages and SSRS reports to production environments and conducting regular maintenance. This involves managing version control, scheduling jobs, and ensuring the reliability and availability of ETL processes and reporting services
* Leveraged Azure DevOps for CI/CD pipelines, enabling rapid deployment of new features and updates.
* Utilized Azure App Services, Azure Functions, and Azure SQL Database to build scalable and resilient retail solutions, ensuring high availability and security.

**Environment**: Scrum, Kanban, ASP.NET Core Web API, C#, ASP.NET Core DI, JavaScript, Python, Restful API, Entity Framework-EDMX, JSON, OAuth2, Angular 5, SQL Server 2017, SSRS, XUnit, RabbitMQ, Jasmine, AJAX, Postman, Azure DevOps, Azure cloud, GitHub, JIRA, Trello, Docker, Kubernetes.

**Client: State of Michigan(DOE), Lansing, MI Aug 2017 to Mar 2019**

**Sr .Net Full Stack Developer**

**Responsibilities:**

* Participated in **Agile** (Scrum) development methodologies, leading daily stand-up meetings and **sprint** planning.
* Spearheaded the design and development of a robust ASP.NET MVC-based network monitoring dashboard that provided real-time insights into network performance, outage detection, and capacity planning.
* Designed and implemented RESTful Web Services for real-time data exchange, enabling seamless communication between telecom network components and enhancing service delivery, improving system responsiveness and scalability.
* Designed and developed the Presentation layer using Angular 4 and Angular Material.
* Migrated Legacy application to .NET core, Web API and deployed them in production
* Led the design and development of data access layers using Entity Framework Core, optimizing database interactions, and improving query performance for mission-critical telecommunications applications.
* Leveraged React expertise to enhance user interface responsiveness and interactivity in customer-facing applications, resulting in improved user experiences and increased customer satisfaction.
* leveraged React Native to develop cross-platform mobile applications in creation and deployment of mobile apps that work seamlessly on both iOS and Android devices.
* Optimized application performance, considering factors like load times and resource usage.
* Conducted performance testing and implement improvements as needed.
* Implemented monitoring solutions for tracking application health and performance.
* Collaborate with cross-functional teams, including UI/UX designers, backend developers, and testers.
* Communicate effectively and participate in agile development processes.
* Used version control systems (e.g., Git) for code management and collaboration.
* Documented code, architectural decisions, and deployment processes.
* Created and maintained documentation for APIs and system components.
* Led the successful integration with AWS cloud services, optimizing infrastructure costs, and improving scalability.
* Implemented serverless functions, managed containers, and leveraged AWS services such as Lambda, S3, and RDS to enhance application performance and reliability while ensuring compliance with industry standards.
* Implemented MongoDB as a NoSQL database solution to optimize data storage and retrieval for high-volume telecommunications data, improving system performance and scalability.
* Created WCF Services to expose business logic as services, consumed those services and for executing the packages/Interfaces.

**Environment**: Sprint, Entity Framework, JSON, ASP.NET MVC, HTML, CSS, JavaScript, Bootstrap, AJAX, Web Forms, User Controls, AJAX Web Forms, ASP.NET 4.5, React, AWS (Lambda, S3, and RDS), MongoDB, XUnit, TFS, Telerik, Log4Net.

**Client: North Texas Tollway Authority (NTTA), Plano, Texas. Jan 2016 to Jul 2017**

**Full Stack Developer**

**Responsibilities:**

* Developed Web Application in ASP.NET MVC 4.0 razor engine.
* Designed and implemented a robust financial data visualization module using .NET Framework and MVC architecture, enhancing data-driven decision-making capabilities for stakeholders.
* Design and develop Web Applications using ASP.NET MVC 5 and C# that are used by internal users.
* Utilized XML data format for implementing and parsing financial messages, including FIX protocol messages, to ensure accurate and secure transmission of critical financial data.
* Developed and maintained responsive web interfaces using HTML, CSS, JSP, JavaScript, jQuery, and Ajax to ensure seamless user experiences across various devices and screen sizes.
* Utilized SQL Server 2005 to manage and manipulate financial data, optimize database performance, and generate critical reports for informed decision-making in the financial sector including database design, querying, stored procedures, and database maintenance.
* Developed various stored procedures for the data retrieval from the database and generating different types of reports using SQL reporting services (SSRS).
* Led the design, development, and deployment of critical financial applications on Microsoft Azure, ensuring the highest level of security, compliance, and performance.

**Environment**: ASP.NET MVC 4.0, .NET Framework, MVC, ADO.NET, XML, HTML, CSS, JSP, JavaScript, jQuery, Ajax, SQL SERVER 2005, SSRS, Azure, SVN, XUnit.

**Client: United Power Tech Private LTD, Bangalore, India Jul 2013 to Oct 2015**

**Full Stack Developer**

**Responsibilities:**

* Contributed to software development projects following the **Waterfall SDLC** methodology, gaining experience in structured project planning and sequential development processes.
* Developed responsive and user-friendly web applications using **ASP.NET WebForms**, showcasing the ability to create interactive and data-driven websites for enhanced user experiences.
* Used **ADO.NET** to provide database connectivity and data access method to obtain data from SQL Server 2005 database.
* Created stored procedures, and triggers to perform updates to related tables using **SQL Server 2005**.
* Extensively used try catch blocks throughout the development cycle to ensure proper exception handling and logging.

**Environment**: Waterfall, ASP.NET WebFroms, ADO.NET, SQL Server 2005, HTML, CSS, JavaScript, jQuery, Ajax, Azure, PostgreSQL, XUnit.

**Education:**

* Bachelors in Computer science – JNTU 2014