## **Hema Pothula**

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**Professional summary**

* Enthusiastic Over 5 years of experience as a .Net developer in developing and implementing, database driven Client/Server applications using .NET Framework.
* Experience in various Phases of Software Development Life Cycle (**SDLC**) i.e., Analysis, Design, Development, Implementation, Testing and User Training of Enterprise Web-Applications, Stand alone and Distributed applications.
* Strong hands-on experience in using Microsoft Technologies like Win-forms, Web-forms, Web Services using **Visual Studio .Net, Visual C#, VB.Net, ASP.Net, ADO.Net, SQL Server, MS access, Web Forms, Win Forms, SOAP, WSDL** and **Web Services.** Hands-on experience with modern frameworks, including **ASP.NET MVC**, **Web API**, and Angular, complemented by a solid background in debugging, optimization, and **CI/CD pipeline** development to enhance operational efficiency and application performance.
* Strong Object-Oriented Analysis and Design (**OOAD**) skills, with proficiency in code reviews, defining coding standards, and performance optimization using .NET technologies.
* Skilled in database design and data warehousing, including star schema and Kimball model implementations, with expertise in **RDBMS and ETL** processes; proficient in distributed computing and functional programming, utilizing dependency injection and open-source libraries to enhance technical design and architectural solutions, while leveraging machine learning and big data analytics to drive customer-focused outcomes.
* Strong problem-solving skills enable me to address complex issues effectively while conducting thorough research on industry trends and market dynamics. Skilled in Microsoft Office, including PowerPoint and Excel, to present data insights and project status updates to stakeholders.
* Proficient in leveraging advanced technologies such as **Swagger, Apache Camel, Kafka, and Cosmos DB** to design and implement scalable solutions, while utilizing Docker, Kubernetes, and OpenShift for containerization and orchestration, and employing tools like Maven, Bitbucket, and Nexus for effective code management and deployment in high-performance computing environments.
* Expertise in implementing web applications using **.NET, C#, ADO.NET, XML and IIS.**
* Experience in creating and consuming Web Services, Windows Communication Foundation (**WCF**) for developing and deploying service-oriented applications (**SOA**) and Web API using C#.net.
* Proficient in web application using **HTML, CSS3, JavaScript, VBScript, and AJAX**. Proficient in optimizing JavaScript code for improved performance in Web Development front-end build tools and workflows utilizing browser developer tools and performance profiling techniques in information technology. Experience in using **LINQ to SQL,** Entity Framework and **ADO.NET** to develop Data Access Layer.
* Strong Knowledge in End-to-End Software Development Life Cycle, Application Development Methodology (**ADM**) and Agile Methodologies, ER Diagram, Fintech, Lending, SaaS.
* Proficient in collaborative frontend and backend development, creating seamless and user-focused web applications.
* Entrepreneurial self-starter with experience developing data analytics products using Golang, focusing on creating impactful product features, solving consumer problems, and fostering collaboration, while ensuring clear and comprehensive documentation. @ `

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| **Programming Languages:** | C#, ASP.NET, .NET Core, JavaScript, HTML, CSS |
| **Framework & Technologies** | .NET Core, ASP.NET, MVC, Web A PI, Angular, RESTful APIs, WCF |
| **Databases** | SQL Server, ADO.NET, LINQ, Oracle SQL |
| Developme**nt Methodologies** | Agile, CI/CD, TDD, Microservices |
| **Cloud Technologies:** | Azure (AKS, DevOps), AWS |
| Vers**ion Control & Collaboration:** | Git, GitHub, Azure DevOps, Jira, Confluence |
| **Testing Tools & Technology’s** | xUnit, NUnit, Moq, Selenium, syntax MS office, ESRI Suite, MS Excel, MS PowerPoint, MS Access, MS Word, MS Team Foundation, GIS, VBA, Bluetooth, Swift, Xamarin, MAUI, ExtJS, SASS EXT |

**Technical Skills**

**Professional Experience**

**Client: State of California, California Jun2023 – Till Date**

**Role: .Net Developer**

**Roles & Responsibilities:**

* Execute standard software solutions, including design, development, and technical troubleshooting of web applications using **ASP.NET Core and C#**. Collaborate with cross-functional teams to ensure robust application architecture, incorporating considerations for upstream and downstream systems.
* Experienced software developer proficient in Python, Java (Spring Boot), C++, and computer engineering, with a strong foundation in statistics, data engineering, and computer vision.
* With expertise in both front-end and back-end technologies, I am proficient in building robust, full-stack applications using modern frameworks and tools like Vue.js, React, Node.js, and Ruby on Rails. My experience spans across multiple databases, including PostgreSQL, MySQL, and NoSQL systems, enabling me to create scalable and efficient data-driven applications. Additionally, I have a strong foundation in TypeScript, which enhances my ability to write clean, maintainable code. With a background in computer science and a commitment to continuous improvement, I am well-versed in leveraging project management tools such as Trello to ensure projects are executed efficiently and on time. Passionate about the intersection of technology and AI, I am always looking for opportunities to integrate machine learning and artificial intelligence into innovative solutions.
* Experienced **Product Manager** with expertise in **front-end development** using **React**, managing **SLAs** and **uptime**, coordinating **releases**, and collaborating with cross-functional teams through **Slack** to ensure high-quality, **data-driven** solutions, leveraging technologies like **Elasticsearch** and **Cassandra** for efficient **classification** and system performance, while maintaining thorough **technical documentation** and overseeing **QA** processes.
* A version control system like GitLab enables efficient code management and collaboration, while maintaining a clean codebase. By using test-driven development (TDD) and clear specifications, developers ensure reliable software that meets business requirements. REST APIs and tools like RabbitMQ facilitate communication in distributed systems, while monitoring tools assist with performance tuning for reliability. OAuth2 secures authorization, and quality assurance practices validate the code. In cloud environments like GCP, data warehouses store and query large datasets, and migration is handled with minimal downtime. Logging provides system visibility, and effective flow management ensures seamless execution, while CSS improves the user interface for a better user experience.
* Driven professional with expertise in business strategy, process improvement, and project management, skilled in leveraging tools like **Trello, Tableau, Salesforce**, and Google Analytics to align user requirements with business objectives, employing frameworks like **Spring, Snowflake, and J2EE** for scalable solutions, and fostering collaboration through best practices and agile methodologies such as Kanban. E-commerce platforms often leverage a combination of S3 for storage, PostgreSQL or MySQL for relational databases, DynamoDB for NoSQL needs, and EC2 for scalable compute resources. Software Engineer with expertise in **Object-Oriented Programming**, **Node.js**, **CSS**, and **Bootstrap**, skilled in **UI development**, **responsive design**, and **prototype** creation, while utilizing **design patterns**, **data structures**, and **test-driven development** to deliver high-quality, **enterprise software**; experienced in **collaborating** in **fast-paced environments**, gathering **feedback**, and implementing innovative solutions for **social media platforms** like **Instagram** and **Facebook**, as well as in the **finance** sector, with a strong focus on **integration testing**, **time management**, and aligning with business **strategy** and **vision** to achieve measurable **results**.
* Experienced Software Engineer with a strong background in software architecture, RESTful API design, R programming, continuous integration, and fostering collaboration within cross-functional teams to deliver high-quality solutions. I ensure cross-browser compatibility and leverage content management systems to deliver seamless and scalable web solutions. Proficient in CRM and mobile development, with a strong background in game development and maintenance programming to enhance user engagement and experience. Demonstrates critical thinking skills in property management solutions, leveraging IDE tools to deliver high-quality, innovative applications. Developed **CI/CD** pipelines using Azure DevOps, streamlining deployment processes and ensuring consistent code quality through rigorous code reviews.
* Experienced in product design and development, utilizing Unified Modeling Language (**UML**) and scrum methodologies to streamline processes, with a focus on secure system integration (**SSI**) to ensure cohesive and efficient solutions.
* Proficient in Unix and Unix Shell scripting, with experience in managing Tomcat servers and utilizing **SSH** for secure connections; skilled in developing applications with **ReactJS and MongoDB,** implementing **LDAP** for authentication, and committed to continuous learning in technologies such as Apex and Apache.

Skilled in using Object-Relational Mapping (**ORM**) with **ASP.NET** to streamline database interactions and enhance application performance.

**Client: Verizon, New York, United States Jan2021 – June2022**

**Role: .Net Developer**

**Roles & Responsibilities:**

* Developed high-traffic web applications with a focus on scalability and performance, utilizing microservices architecture.
* Designed and implemented RESTful APIs while ensuring compliance with industry standards and stakeholder objectives.
* Actively participated in Agile **SDLC** processes, contributing to sprint planning and backlog grooming for efficient task prioritization.
* Enhanced user experience by creating responsive web components with Angular and integrating them seamlessly with backend services. Written **LINQ** enabled queries to access the data from SQL Server database.
* Proficient in using Terraform for infrastructure as code, with experience in integrating SonarQube for code quality analysis in .NET applications, ensuring robust and maintainable software development.
* Computer Science graduate and engineer with a strong foundation in backend development, skilled in analytics and AI, and committed to collaborating effectively within teams to drive innovative solutions.
* Hands-on experience with Oracle SQL for robust database management and integration within financial applications. Self-motivated developer with experience in Vue, adept at crafting efficient queries and utilizing strong communication skills to collaborate effectively with team members and stakeholders.
* Designed and implemented collaborative algorithms in Ruby to enhance data processing efficiency and improve team workflow. Expertise in designing scalable and secure web applications, leveraging .NET Core and ASP.NET technologies. Used ASP.NET Master Pages, jQuery, utilizing Server Controls, User Controls, Data Grid Controls, Form Validation controls, Custom controls, and CSS.
* Used ADO.NET and LINQ to SQL database programming to access and retrieve data from the SQL Server 14 database.
* Worked on Client-side validations using Java Script, jQuery, and CSS for validation issues. Used jQuery to validate user controls and web forms.
* Used SQL Server Reporting Services (SSRS) for generating various invoices and cover pages of the application. Successfully followed Test Driven Development (TDD) Agile Methodologies.

**Client: Honeywell, Charlotte, NorthCarolina Jun2018 – Dec2020**

**Roles & Responsibilities:**

* Engaged in the complete software development lifecycle, ensuring application security and compliance with industry standards.
* Developed and maintained RESTful services, optimizing SQL queries for improved data retrieval and performance.
* Contributed to high-level project designs, utilizing ADO.NET for effective database interactions and application enhancements. Fostered a team culture of diversity, equity, inclusion, and respect while actively participating in Agile methodologies.
* Used XSLT for XML data transformation in the application and Schema to check the validity of XML Document at various stages.
* Involved in High level design of the project using ADO.Net that accessed the data in tables and procedures created during the SQL Server Project (using SQL Server as the backend). Connection string was made used to establish connection with the backend. Proficient in using npm for package management in collaborative environments, with hands-on experience leveraging Amazon Web Services (AWS) to develop and deploy scalable applications. Extensively worked on SQL Queries, Stored Procedures and Triggers using T-SQL in SQL Server.
* Experienced in unit testing and TypeScript development, leveraging ES6 features to build robust applications; skilled in collaborative environments and cloud computing, focusing on Continuous Integration and deployment practices to enhance project delivery.

**EDUCATION:**

**Master's Degree:** Master’s In Management & Information Systems at Auburn University, Montgomery AL, May 2024.