**VAMSI KRISHNA CH**

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**PROFESSIONAL SUMMARY:**

* Full-stack .NET developer with over 5 years of extensive experience in **analysis, design, development, testing**, and **maintenance of Web and Desktop applications** using **Microsoft .NET technologies**.
* Expertise in developing web applications using .NET technologies (**ASP.NET, ASP.NET Core, MVC, Web API, ADO.NET, C#, LINQ, Entity Framework, Razor Pages, SignalR, Blazor**).
* Proficient in front-end technologies such as **HTML5, CSS3** and **JavaScript** frameworks and libraries like **Angular, React.js, Vue.js, jQuery, Bootstrap, AJAX, Node.js and Express.js** for responsive UI/UX development.
* Good Experience with messaging systems like **Apache Kafka, RabbitMQ, ActiveMQ and Azure Service Bus** for real-time data processing pipelines.
* Strong knowledge on relational databases (**SQL Server, MySQL, PostgreSQL, Oracle databases**) and NoSQL databases (**MongoDB, Cassandra, Redis**) including database design, writing complex queries, stored procedures, functions, triggers, and optimizing database performance.
* Having experience in migrating legacy **ETL workflows to Databricks**, reducing maintenance costs and improving scalability.
* Led the migration of on-prem **Hadoop/Spark** workloads to **Databricks**, improving performance and reducing operational overhead.
* Experience in implementing **RESTful** and **Soap web services** to provide integration between different applications.
* Expertise in developing and maintaining **Microservices-based architecture** using **.NET Core** and implementing containerized services using **Docker** and **Kubernetes**.
* Hands-on experience in using **Azure Cloud Services and AWS** for deploying and managing applications on the cloud.
* Proficient in **Version Control** using **Git, TFS, Bitbucket** and **SVN** for source code management and project collaboration.
* Experience with **CI/CD pipelines** using **Jenkins, Azure DevOps, Ansible, GitLab CI**, and **TeamCity** to automate build, test, and deployment processes.
* Strong problem skills and understanding of **Object-Oriented Programming (OOP)** principles, **SOLID principles**, and **design patterns** for building scalable and maintainable applications.
* Extensive experience in writing unit and integration tests using **NUnit, MSTest, XUnit, Moq, Selenium, Postman, Swagger**, following **Test-Driven Development (TDD) practices**.
* Strong experience in **Agile methodologies (Scrum/Kanban), Waterfall** for project management, collaborating with cross- functional teams to deliver high- quality software on time.
* Strong communication skills and ability to collaborate with stakeholders to translate business requirements into technical solutions.

**TECHNICAL SKILLS:**

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| **Back-End Development** | C#, ASP.NET, VB.NET, ASP.NET Core, ASP.NET MVC, WCF, Web API, Python, Java |
| **Front-End Development** | HTML5, CSS3, JavaScript, jQuery, AJAX, XML, UI, Swift, Blazor, Angular, React, React Native, Node.js, Vue.js, JSON |
| **Testing and tools** | Unit Testing, Integration Testing, Selenium, Swagger UI, MSTest, NUnit, Junit, Easymock. |
| **Databases** | MS SQL, ADO.NET, LINQ, Oracle, Entity Framework, MySQL, PostgreSQL, NoSQL, MongoDB. |
| **Cloud Computing** | AWS (EC2, S3, Elastic Beanstalk, Lambda, DynamoDB, API Gateway), Microsoft Azure (Function, SQL Database, Blob Storage, App Service, Application Insights), GCP. |
| **Version Control Systems** | Git, Team Foundation Server (TFS), SVN, GitHub. |
| **DevOps and Dev tools** | Docker, (Continuous Integration and Continuous Development) CI/CD, Terraform, Jenkins, Kubernetes, Ansible, Maven, Kafka. |
| **Source Code Analysis** | SonarQube, Roslyn. |
| **Logging and Monitoring** | ELK Stack, Application Insights, Grafana. |
| **Security** | SSL/TLS, OWASP, HTTPS. |
| **Design Patterns** | MVC, MVVM. |
| **IDE and Tools** | Visual Studio, Visual Studio Code, Jira, Postman. |
| **Methodologies** | Agile – Scrum, Waterfall model. |

**PROFESSIONAL EXPERIENCE:**

**Blue Cross Blue Shield Sept2023-Present** Full Stack .Net Developer Illinois, United states

**Technologies Used:** .NET (ASP.NET, C#, MVC), HTML5, CSS3, React, Databases, Docker, CI/CD, Azure, Data Bricks.

**Roles and Responsibilities:**

* Developed **interactive** and **responsive single-page application (SPAs)** using **React.js** within an **ASP.NET Core** MVC/Web API backend architecture.
* **Built reusable React components** and optimized **state management** using **Redux, Context API** for scalable applications.
* Developed dynamic **web applications** using client-side technologies such as **ReactJS, NodeJS, jQuery**, and **JavaScript** for enhanced interactivity
* Architected and established secure, HIPAA-compliant **RESTful APIs** and **GraphQL** using **ASP.NET MVC 4.8** facilitating secure data exchange with healthcare providers and external systems.
* Optimized database performance by creating and maintaining complex **stored procedures** and queries in **SQL Server** to manage healthcare data efficiently.
* Created and managed SQL Server Jobs, **Packages, Reporting Services (SSRS),** and **Integration Services (SSIS)** to support data processes.
* Designed and implemented secure **authentication** and **authorization** workflows in **ASP.NET MVC** using **ASP.NET** Identity and protocols such as **OAuth 2.0** and **OpenID Connect**, ensuring protected user access and role-based permissions.
* Authored detailed technical documentation using **SharePoint**, including API references, and troubleshooting guides to support development and maintenance teams effectively.
* Designed and implemented **big data pipelines** using **Databricks on Azure** to process large-scale structured and unstructured data.
* Optimized **Databricks clusters** using **autoscaling, cluster policies** and **cost management** strategies to reduce cloud expenditure.
* Automated data workflows using **Databricks Jobs, Workflows**, and **CI/CD pipelines** with **Azure DevOps/GitHub Actions**.
* Utilized **Team Foundation Server (TFS)** for version control and implemented automated **CI/CD pipelines** using **Docker** and **Maven**, deploying applications on **AWS** by leveraging services such as **EC2** for scalable computing, **RDS** for database management, and **S3** for secure storage of static assets.
* Participated in the full **Software Development Life Cycle (SDLC)** using one of the methodologies like Agile, from requirements gathering to **design, analysis, and development**.

**JPMorgan Chase Oct2021-Dec2022** Full Stack .Net Developer New York, United states

**Technologies Used**: .NET, HTML5, CSS3, JavaScript, TypeScript, React JS, Database optimization, External API integration, Docker, CI/CD, Azure, Unit testing, Documentation.

**Roles and Responsibilities:**

* Developed and deployed a scalable Claims Management System using **ASP.NET Core, C#,** and **React**, resulting in a 20% increase in transaction throughput.
* Engineered server-side logic with **.NET Core** and C#, achieving a 15% improvement in claims processing speed and reliability.
* Managed and optimized database schemas using **SQL Server**, achieving improvement in query performance through effective database optimization techniques.
* Integrated the claims management system with external **RESTful APIs** using ASP.NET **Web API**, reducing transaction errors and showcasing expertise in API integration.
* Built responsive front-end interfaces using **React, HTML5, CSS3, JavaScript**, and **Bootstrap**, ensuring seamless user interactions across various devices and browsers.
* Sustained interactive user interfaces by implementing **Redux 16.x** for state management and **React Router** for efficient navigation, enhancing the overall performance and user experience of the application.
* Applied React JS components, Forms, Events, Keys, Router, Animations, and Flux concept for efficient UI development, employing Test Driven Development **(TDD)** approach.
* Implemented secure user authentication and authorization mechanisms with **OWASP** guidelines, significantly strengthening system security to protect user data.
* Conducted thorough testing with Test-Driven Development **(TDD)**, achieving 95% test coverage and reducing post-deployment issues.
* Authored comprehensive documentation using **Swagger** for code, APIs, and system architecture, reducing onboarding time for new developers.
* Collaborated with cross-functional teams using **Git** and **Jira** to ensure seamless integration of **UX/UI** designs, reducing feature development time.
* Implemented a robust CI/CD pipeline using **Docker** for containerization and **Kubernetes** for orchestration on **Microsoft Azure** (Function, SQL Database, Blob Storage, App Service), ensuring efficient development workflows and reducing deployment times by 50%. (Check this point).
* Managed and optimized **Azure Artifacts** to streamline the storage, versioning, and sharing of NuGet, NPM, and Maven packages across development teams, ensuring efficient dependency management and seamless CI/CD pipeline integration.
* Executed all phases of the Software Development Life Cycle (**SDLC**) utilizing **Agile** methodologies, improving project delivery timelines through iterative development and adaptive planning.

**Target Jan2019-Sep2021** .Net Developer *Minnesota*, United states

**Technologies Used:** ASP.NET MVC, C#, Entity Framework, SQL Server, Docker, TDD, Git, Restful API, React, HTML, CSS, NUnit, MSTest.

**Roles and Responsibilities:**

* Designed, created, and supported scalable .NET eCommerce applications using **C#, .NET MVC** for member portals, claims processing, and provider network management, enhancing user experience for millions of customers.
* Integrated various third-party APIs and data sources, including **REST APIs** and **Kafka**, using **ASP.NET Web API** to enhance platform functionality and enrich user experience.
* Involved in coding and designing ASP.NET master pages, themes, and skins for the application’s user interface.
* Created responsive and user-friendly web interfaces using **HTML5, CSS3, JavaScript**, and **React**, enhancing user satisfaction by 20% and receiving positive feedback from users.
* Sustained interactive user interfaces by implementing **Redux 16.x** for state management and React Router for efficient navigation, enhancing the overall performance and user experience of the application.
* Applied **React JS** components, Forms, Events, Keys, Router, Animations, and Flux concept for efficient UI development, employing Test Driven Development (**TDD**) approach.
* Designed and implemented enhanced database schemas utilizing SQL Server and **ADO.NET**, leading to a 30% improvement in database query performance.
* Conducted comprehensive testing using **XUnit** and **MSTest** to ensure code quality, including unit tests, integration tests, and functional tests, resulting in a 25% reduction in post-release defects.
* Employed **MongoDB** as a NoSQL database for managing and storing large volumes of unstructured data, improving data retrieval performance and scalability of the application.
* Used Atlassian tool **JIRA** to view the tasks and requirements.
* Used **Bitbucket** to manage version control, collaborate with team members through pull requests and code reviews, and maintain a structured branching strategy to ensure smooth and organized development workflows.
* Collaborated seamlessly with cross-functional teams, including DevOps engineers’ business analysts and QA testers, to deliver robust and secure healthcare solutions, ensuring alignment with business objectives.
* Leveraged version control systems like **Git** and **CI/CD** tools such as Jenkins and GitLab CI/CD to ensure efficient code management.

**EDUCATION:**

**University Of North Texas** Master of Science in Artificial Intelligence Denton, United states

**CERTIFICATIONS:**

AWS Certified Developer-Associate