Navya Anumolu
Full Stack .NET Developer
navyaanumolu8001@gmail.com | linkedin.com/in/navyaanumolu/ | +1 8067720217

Summary

- 5+ years of extensive experience in the Software field, with a strong focus on .NET technologies including **C#**, **.NET Core, ASP.NET MVC, and ASP.NET Web API.**
- Expertise in **Microservices** architecture using **.NET Core**, RESTful services, and message brokers **like Azure Service Bus**. Proficient in using orchestration tools like **Docker** and **Kubernetes** for deploying applications.
- Strong understanding of UI/UX design and development with experience in front-end frameworks such as **Angular, React**. Skilled in web technologies like **HTML5**, **CSS3, JavaScript**, and T**ypeScript**.
- Experienced in **RDBMS** with a solid background in **SQL Server**, **Azure SQL**, and **Oracle**. Proficient in writing optimized SQL queries, stored procedures, and utilizing ORM tools like **Entity Framework** and **LINQ**.
- Deep knowledge of design patterns such as MVC, Singleton, Repository, and Unit of Work, and expertise in applying them to develop scalable and maintainable applications.
- Proven track record in setting up CI/CD pipelines using Jenkins, Azure DevOps, and GitHub Actions. Experienced in version control using **Git** and **TFS.**
- Involved in all phases of the Software Development Life Cycle (**SDLC**), utilizing **Agile** and **Scrum** methodologies to deliver high-quality software efficiently.

Technical Skills

- **Programming Languages:** C#, VB.NET, C++, Java, Python.
- **Frameworks and Libraries: .**NET Core, .NET Framework, Entity Framework, ASP.NET MVC, Web API, Blazor, Web forms, WCF.
- **Database Technologies:** SQL Server, Entity Framework Core, ADO.NET, LINQ, Oracle, PostgreSQL, MySQL, NoSQL(MongoDB).
- **Frontend Technologies :** HTML5, CSS3, JavaScript, Angular, React, Razor syntax, Node .js, Typescript.
- **Testing:** Unit Testing (NUnit, MSTest, xUnit), Integration Testing, Test-Driven Development (TDD).
- **Version Control Systems:** Git, Team Foundation Server (TFS), SVN.
- **IDE and Development Tools:** Visual Studio, Visual Studio Code, Jira, Postman.
- **Security:** OWASP, SSL/TLS, HTTPS.
- **Operating systems:** Windows, Linux, Unix, Mac.
- **Cloud Computing:** Microsoft Azure services (Azure Functions, Azure SQL Database, Azure App Service), AWS: SES, EC2, S3, SQS.
- **DevOps Tools:** Jenkins, Docker, Kubernetes, Ansible, Maven.

Professional Experience

Client: State of Nebraska (Remote)
Full Stack .NET Developer **June 2023 – Present**
Technologies: C#, ASP.NET Core, ASP.NET Web API, SQL Server, Azure, xUnit, Microservices, SOAP API, Angular, Git

- Developed, tested, implemented, and maintained application software within all phases of the software development life cycle (**SDLC**).
- Led the design and development of scalable web applications with **ASP.NET Core** and **C#**, optimizing platform efficiency.
- Orchestrated the implementation of secure APIs using **ASP.NET Web API**, streamlining data integration and enhancing user experience while applying principles of **data structures and algorithms**.
- Developed user interfaces for state management applications using **Angular**, crafting reusable Angular components and services to consume **SOAP APIs**, which enhanced the modularity and responsiveness of the web applications.
- Pioneered the development of comprehensive unit tests and automated suites using **xUnit**, ensuring robust code quality and reducing bug reports, and conducted code reviews to maintain high coding standards and best practices.
- Actively practiced **Agile** methodologies, including Scrum and Kanban, for high-quality software delivery.
- Collaborated closely with cross-functional teams to translate business requirements into technical solutions, improving project delivery time.
- Executed database optimizations on **SQL Server**, resulting in a 20% reduction in query response times and improved overall system performance.
- Leveraged **Git** for version control, and **Bitbucket** for repository management and launched the application on **Azure**, utilizing services like Azure VM for server hosting, Azure SQL, and Azure Blob Storage for storing static assets.

Client: Philips

Full Stack .NET Developer **June 2021-July 2022**

Technologies: C#, ASP.NET Core, ASP.NET Web API, Angular, REST API, Postgre sql,JavaScript, jQuery, xUnit, SSRS, SSIS, AWS

- Created scalable eCommerce web application using **.NET Core** and **C#**, ensuring high performance and reliability.
- Designed and configured user interfaces with **Angular**, enhancing user experience with responsive design and intuitive navigation.
- Applied object-oriented programming (**OOP**) principles and utilized **Microservices** Architecture to develop maintainable and extensible code, facilitating future enhancements.
- Integrated various third-party APIs and data sources, including **REST APIs** and Kafka, using **ASP.NET Core** and **ASP.NET Web API** to enhance platform functionality and enrich user experience.
- Implemented client and server-side validation mechanisms using **JavaScript**, **jQuery**, ASP.NET validations, and **XML** to ensure data integrity and reinforce the authentication system's security.
- Optimized database performance by writing and tuning complex queries and stored procedures in **PostgreSQL**, achieving a 30% increase in data retrieval speed.
- Developed and maintained **SSRS** and **SSIS** packages using Visual Studio 2019 to meet complex business requirements, ensuring data accuracy and efficient reporting for decision-making processes.
- Conducted comprehensive testing using **xUnit** and **NUnit** to ensure code quality, including unit tests, integration tests, and functional tests, resulting in a 25% reduction in post-release defects.
- Engineered secure role-based authentication and authorization mechanisms using **ASP.NET Identity**, adhering to **OWASP** security standards to protect user data.
- Utilized **Postman** for API testing, ensuring accurate and efficient API performance. Leveraged **Ansible** for configuration management and deployment automation, ensuring consistent and efficient deployments.
- Adopted TFS to manage code versions and automated **CI/CD** pipelines with **Docker**, and **Maven** and deployed on **AWS**, leveraging services such as EC2 for scalable computing, RDS, and S3 for secure storage of static assets.

Client: Cigna Health Care

Full Stack .NET Developer **May 2018 – May 2021**

Technologies: ASP.NET MVC, C#, Entity Framework, SQL Server, Azure, TDD, Git, Restful API, React, HTML, CSS

- Designed, created, and supported scalable .NET applications using **C#** for member portals, claims processing, and provider network management, enhancing user experience for millions of customers.
- Architected and established secure, HIPAA-compliant **RESTful APIs** using **ASP.NET MVC 4.8** facilitating secure data exchange with healthcare providers and external systems.
- 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.
- Constructed and managed relational databases using **SQL Server**, implemented indexing strategies, and normalized database schemas to enhance application performance and ensure data integrity
- Introduced Entity Framework and **LINQ** as **ORM** tools for efficient data access and manipulation, streamlining backend processes.
- Employed **MongoDB** as a NoSQL database for managing and storing large volumes of unstructured data, improving data retrieval performance and scalability of the application.
- Refined the existing codebase for performance and maintainability, ensuring a smooth user experience for medical professionals. Used **JIRA** to view the tasks and requirements.
- 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 and rolled out the application in **Azure.**

EDUCATION

Master of Science in Computer Science

Texas Tech University