Karthik Majjiga

Full Stack Developer

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Professional Summary

- Full Stack Developer with over 4 years of expertise in designing, developing, and maintaining scalable web applications using .NET Core, ASP.NET and Java ensuring robust performance and user-centric functionality.

- Proficient in building responsive and interactive front-end interfaces using React.js, Angular, and TypeScript, coupled with strong backend integration utilizing Entity Framework, SQL Server, and RESTful APIs for seamless data management and user experience.

- Demonstrated success in cloud-based development with Azure and AWS, leveraging CI/CD pipelines, Docker, and Kubernetes to streamline deployments and optimize operational workflows.

- Implemented microservices architecture and modern DevOps practices to improve system efficiency and scalability while keeping up with emerging technologies to meet changing business needs.

Skills

Programming Languages: C#, Java, Python, JavaScript, TypeScript, HTML, CSS, SQL (T-SQL, PL/SQL)
Frameworks/Libraries: .NET Core, ASP.NET MVC, ASP.NET Web API, WCF, Entity Framework, Spring Boot, jQuery, AJAX, LINQ, React.js, Angular, Redux, Bootstrap
Architecture & Patterns: Microservices, Distributed Systems, SOA, Design Patterns, Clean Architecture, Data Structures & Algorithms
Cloud & DevOps: Azure (Functions, App Services, DevOps), AWS (Lambda, S3, EC2), Jenkins, CI/CD, Docker, Kubernetes
Databases: SQL Server, MongoDB, Redis, PostgreSQL
Testing & Quality: NUnit, xUnit, Selenium
Tools: Visual Studio, IntelliJ IDEA, Postman, Swagger, Git, GitHub, Bitbucket, JIRA, Confluence
Operating Systems: Windows, Linux, UNIX
Soft Skills: Leadership, Code reviews, Agile collaboration

Work Experience

Freddie Mac,
Full Stack Developer   *February 2024 – May 2025*

- Designed and developed RESTful APIs using .NET Core for enterprise servicing systems, modernizing legacy logic to support cloud-native deployment and improving integration between internal applications and third-party systems.

- Architected a microservices-based platform for user authentication and financial data, boosting application scalability by 40% and slashing deployment times by 25% through modular development practices.

- Optimized application performance through strategic implementation of caching mechanisms, lazy loading, and SQL tuning using Entity Framework Core and SQL Server, resulting in a 45% reduction in page load times and a 60% improvement in query response times.

- Created responsive user interfaces using React.js, Redux, and Bootstrap, leading to a 25% improvement in user engagement and application usability.

- Utilized GitHub for version control, peer code reviews, and team collaboration, which minimized integration issues by 20% and enhanced overall development workflow efficiency.

- Implemented Unit testing with NUnit and xUnit, lowering post-release defects by 25% and significantly boosting code reliability.

- Automated build and deployment pipelines using Azure DevOps, decreasing deployment times by 15% and ensuring consistent delivery of software updates.

Seagate Technology,
Software Developer *June 2020 – November 2022*

- Developed enterprise web applications using ASP.NET MVC, C#, Angular, and Entity Framework, ensuring performance optimization and high reliability in production.

- Designed and implemented RESTful services to enable secure and efficient data exchange between systems, improving data accessibility and reducing processing delays.

- Created and deployed WCF services with carefully defined contracts and endpoints, achieving a 20% improvement in service response times and interoperability with other systems.

- Managed large-scale databases using MongoDB, implementing strategies to ensure data durability, high availability, and accelerated recovery during system failures.

- Conducted code reviews to identify potential issues and enforce best practices, leading to a 15% increase in code quality and maintainability across multiple projects.

- Configured and maintained CI/CD pipelines using Jenkins and MSBuild ensuring seamless integration and delivery of application builds, minimizing downtime during deployments.

Education

University of North Texas, Denton, Texas
Master of Science in Information Technology *January 2023 – May 2024*