

Bilal Shaik

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📍 Cincinnati, OH

Profile

Skilled Senior Software Engineer with over 3.5 years of hands-on experience in designing, implementing, testing, and maintaining innovative software solutions. Proficient in C#, ASP.NET MVC, .NET Core and front-end technologies such as Angular framework, JavaScript, HTML, CSS. Strong background in database development and management, with hands-on experience in cloud deployment using Azure. Proficient in accelerating development lifecycles using GitHub Copilot and skilled in orchestrating AI agents to automate workflow and optimize code quality.

Education

Master of Science , <i>Florida International University</i> Information Technology	01/2023 – 05/2024
Bachelor of Technology , <i>SRM Institute of Science and Technology</i> Electronics and Communication Engineering	06/2016 – 05/2020

Professional Experience

Senior Engineer – IIOT (Full-Stack .NET Developer) , <i>LTIMindtree Limited (LTM)</i>	01/2025 – Present
- Working on TEIS, an Internal Toyota application for managing manufacturing instruction sheets using ASP.NET MVC, JavaScript, Microsoft SQL Server. - Developed new features, performed application enhancements, and worked on bug fixes. - Refactored MSSQL database structures to align with evolving business requirements, ensuring data accuracy, maintainability and seamless integration with application logic. - Developed and updated annotation features using LEADTOOLS libraries for image markup and visual instruction overlays. - Migrated libraries used in the application to the latest version to improve performance and maintain compatibility. - Updating existing repositories to Entity Framework Core to enable application modernization, improve performance, and ensure alignment with current .NET standards. - Implemented copy background service utilizing SignalR and MSMQ. - Utilized Datadog APM and distributed tracing to perform root-cause analysis on production bottlenecks, isolating blocking scalar T-SQL function and missing foreign key indexes to eliminate page-load and deletion timeouts. - Refactoring legacy .NET Framework components into a modernized .NET Core microservices architecture. - Implementing Docker containerization to ensure environment parity and streamline the CI/CD pipeline. - Collaborated with cross-functional teams to deliver high-quality releases. - Leveraged a pluggable multi-agent orchestration engine utilizing Model Context Protocol (MCP). - Utilized GitHub Copilot to bridge gap between product requirements and code generation, accelerating the translation of structured Jira user stories into staged, build ready pull requests - Accelerated software development velocity by configuring decoupled Agents for task reasoning and reusable Skills for terminal execution, automating routine code analysis, testing, and staging pipelines.	
Software Engineer , <i>Ernst & Young</i>	06/2022 – 12/2022
- Worked on a web application used by the Ministry of Human Resources of Dubai utilizing .NET Framework, MSSQL, and Microsoft CRM. Involved with the team in contributing new development features and addressing and resolving defects of existing features. - Implemented MVC architecture to accomplish task of isolating Business Layer, Presentation Layer and Data Layer. - Wrote T-SQL Statements, Stored Procedures, Triggers, Functions, and Sequences to access data from database along with ADO.NET Class & Methods. - Developed several web pages for creating messages, to set up messages rules and to set up content using ASP.NET, AJAX, C#, JavaScript and XML. - Worked on SQL Server to write Stored Procedures (Packages, Procedures, Functions, T-SQL and Database Triggers) for back-end development. - Used LINQ to write the queries in the back end to fetch the data from the database. Prepared Data Context using LINQ to SQL object relation mapping methodology - Utilized output caching in ASP.NET Razor Pages to cache rendered pages, resulting in faster page load times for returning users. - Used Kubernetes for orchestration of Docker containers, providing high availability of the application. - Utilized Azure for monitoring and logging, implementing Application Insights to capture end -to-end application health and improve response times. - Incorporated OWASP Top 10 security best practices into API development, reducing vulnerabilities like XSS and SQL injection.	

- Utilized technologies like **.NET** (core/framework), **Razor Pages** (HTML/CSS/Bootstrap), **Angular** (Typescript), **MSSQL**, **ServiceNow CMDB**, **Python**-Data Analysis.
- Contributed to an internal project leveraging **.NET Core API**, Angular. Developing a solution to efficiently consume APIs from Azure/AWS Cloud platforms and load data into **ServiceNow CMDB**.
- Independently engineered utility tool to enrich project efficiency and streamline processes using **JavaScript** and **HTML** for client-based project as Micro Frontend, boost their efficiency by 90% to generate **JSON** reports.
- Implemented **Entity Framework Core** for database access, optimizing performance and simplifying the development of data-driven applications.
- Proficient in using software development tools such as **Git**, and **Azure DevOps** to manage the software development lifecycle and ensure the successful delivery of projects.
- Widely used **Azure** Cloud for deploying applications in Azure VM and App Services.
- Worked on different Gang of Four (GOF) design patterns and principles of **SOLID**.

Skills

- **Back End:** .NET Core and Framework
- **Front End:** Angular, Razor pages, React, HTML, CSS, JavaScript, Kendo UI, jQuery, AJAX, Bootstrap
- **Languages:** C#, Java, Python, C, C++, Typescript
- **Tools:** Git, ServiceNow CMDB, Docker, Kubernetes, Azure DevOps, Data Dog
- **Database:** Microsoft SQL Server, PostgreSQL, MySQL, Mongo DB, PgVector, Supbase
- **AI Tools:** GitHub Copilot, AI Agents, Prompt Engineering / Orchestration, RAG, LLM Integration.
- **Cloud:** Microsoft Azure, AWS

Certificates

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| • AWS Certified Developer Associate | • Microsoft Certified: Azure Developer Associate |
| • Microsoft Certified: DevOps Engineer Expert | • Microsoft Certified: Azure Fundamentals |