Maryam Ali

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Summary

A highly motivated and results-driven Software Engineer with a passion for developing innovative and scalable solutions.With a strong foundation in computer science, I have demonstrated proficiency in multiple programming languages and full-stack development. My experience spans building web applications, optimizing backend processes, and ensuring system stability. I am eager to leverage my technical expertise and problem-solving skills to contribute to the success of an engineering and consulting firm. I am committed to continuous learning and growth, and I seek opportunities that challenge me and allow me to make a tangible impact.

Education

Punjab University and College of Information Technology (PUCIT)   *Dec 2020 – June 2024*

BS in Computer Science

- Learned and applied the concepts of Programming, 00P, DB, DSA, AI, ML, and other core subjects to create interesting projects.

Experience

Software Engineer   *June 2025 – Present*

Invobyte

CIMS – Central Identity Management System : A secure identity and access management server built using .NET 9, supporting OAuth 2.0 and OpenID Connect (OIDC) standards. Designed to enforce finegrained authorization using RBAC and ABAC models.

- Developed a custom JWT token generation and validation service using .NET 9.
- Incorporated Role-Based (RBAC) and Attribute-Based Access Control (ABAC) logic into token claims for dynamic permission evaluation.
- Ensured secure token lifecycle management aligned with OAuth 2.0 and OIDC flows.

Associate Software Engineer   June 2024 – May 2025

Phenologix

- Built and maintained RESTful APIs using ASP.NET Core MVC (.NET 6 8) and legacy ASP.NET MVC 4
- Implemented authentication and authorization using JWT, cookie-based auth, and ASP.NET Identity
- Designed and optimized relational databases using SQL Server and MySQL
- Developed dynamic UIs with Razor, jQuery, AJAX, HTML, and CSS for responsive user experience
- Utilized Swagger for API documentation and testing to enhance collaboration

- Contributed to microservices architecture for modular and scalable development

- Followed clean code practices and used Git for version control and team collaboration

- **Project – RentCheck (Property Management System):** Led full-stack development including UI with Razor. Built REST APIs for property listings, workflows, and user tracking. Integrated frontend/backend and improved system reliability.

- **Project – Axes Law (Legal-Service Platform):** Resolved backend issues and optimized legal data processing for a Canadian client. Improved application performance and ensured data accuracy.

- **Project – ML.NET Integration :** Proactively began learning and experimenting with ML.NET, focusing on building and integrating machine learning models into .NET applications for future intelligent feature development

Projects

Mojigurukul – Personalized Learning Platform   *mojigurukul.com* ↗

- Developed secure RESTful APIs using ASP.NET Core with role-based access control (RBAC)

- Enforced feature-level access based on subscription plans (Personal, Premium)

- Built a real-time leaderboard system with daily snapshots and rank-change notifications using SignalR and email

- Implemented a token-based parent invitation system with email verification and onboarding

- Integrated Razorpay for tutor payouts and wallet validation

- Performed bug fixing and API enhancements across modules to improve platform stability and performance

Neith Admin Portal   *Sub-System*

- Designed and developed the admin portal to manage users, roles, subscriptions, and platform settings

- Integrated backend APIs for user-role mapping, plan assignment

- Ensured secure and reliable data flow between frontend and backend with role-based access control

- Improved admin workflows by resolving API issues, validating data responses, and enhancing UI feedback loops

- Streamlined dashboard accuracy by debugging request/response cycles and fixing endpoint logic

Skills

Technical Skills / Tools: HTML, CSS, jQuery, Bootstrap, C#, ASP.NET Core, SQL Server, Swagger, GitHub, Razor Views, LINQ, Entity Framework Core, RESTful APIs, MySQL, Postman, PostgreSQL, GitLab, Visual Studio

Interpersonal Skills: Problem-solving, analytical thinking, teamwork, effective communication, adaptability, attention to detail, time management, proactive learning, and issue resolution.