

Muhammed Abin Salim

SOFTWARE ENGINEER | .NET DEVELOPER

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Objective

Software Engineer with 3+ years of experience designing and developing scalable web applications, RESTful APIs, and enterprise software solutions using C#, ASP.NET Core, SQL Server, React, and Entity Framework. Experienced in delivering end-to-end application development, secure authentication systems, cloud integrations, and database-driven solutions. Holds an MSc in Data Analytics from Dublin Business School, combining software engineering expertise with practical knowledge of machine learning, predictive analytics, natural language processing, and data visualization. Strong background in Agile software delivery, API development, cloud technologies, and modern software architecture. Passionate about building reliable, maintainable, and future-ready software solutions aligned with digital transformation and AI-driven innovation initiatives.

Technical Skills

- Programming Languages: C#, TypeScript, SQL
- Frameworks & Technologies: ASP.NET Core, ASP.NET MVC, Web API, Entity Framework, LINQ, React, Angular, Node.js
- Databases: SQL Server, MySQL
- Cloud & DevOps: AWS (S3, Lambda), Azure DevOps
- Tools & Testing: Git, TFS, Jira, Postman, Swagger, NUnit, xUnit, SOAP UI
- Concepts & Methodologies: REST APIs, OAuth2, JWT, Microservices Architecture, Agile/Scrum, OOP

Professional Experience

Career break & Technical Upskilling

Feb 2023 - present

- Designed and developed full-stack applications using ASP.NET Core, C#, SQL Server, Entity Framework, and React.
- Built secure RESTful APIs supporting scalable integrations and enterprise application workflows
- Implemented authentication and authorization mechanisms using JWT and OAuth2 standards.
- Integrated third-party services including AWS cloud services, Stripe payment processing, and PayPal integrations.
- Applied software engineering best practices include testing, debugging, refactoring, and code optimization.
- Expanded expertise in Data Analytics, Machine Learning, and AI-powered solutions through postgraduate studies and project development.
- Maintained continuous professional development through hands-on coding, technical research, and software architecture learning.

Business Analyst & Web Developer | BigShutter Media Hub**Feb 2021 – Mar 2022**

- Developed and maintained a CMS-based digital media platform using ASP.NET Core, React, SQL Server, and Entity Framework.
- Designed scalable REST API services supporting multi-platform content delivery and integration.
- Participated in Agile software delivery, sprint planning, code reviews, and continuous improvement activities.
- Utilized Azure DevOps for source control management, collaboration, and deployment workflows.
- Worked closely with business stakeholders to translate requirements into technical solutions and product features.
- Contributed to system architecture discussions and application performance improvements.

Web Developer/ Co-founder| Personal Project**Feb 2020 – Nov 2020**

- Designed and developed a directory-based web application using C#, ASP.NET, SQL Server, HTML, CSS, and JavaScript to connect local skilled professionals with potential customers.
- Architected and implemented core platform features including user registration, profile management, service listings, work galleries, and direct contact functionality.
- Developed a searchable directory system that enabled users to discover skilled workers within their local area based on profession, expertise, and location.
- Designed and optimized the application database structure to efficiently manage user profiles, portfolio content, service categories, and customer enquiries.
- Successfully commercialized the project by selling the completed application to a business, demonstrating both technical execution and product viability.
- Leveraged the application's reusable architecture and codebase to develop a second directory and portfolio platform for models and influencers, reducing development time and accelerating project delivery.
- Managed the complete software development lifecycle, including requirements gathering, system design, development, testing, deployment, and client handover.

Junior Software Developer | Tahcom Info Solutions**Jul 2019 – Jan 2020**

- Developed enterprise web applications using ASP.NET MVC, C#, Entity Framework, and SQL Server.
- Designed SQL queries, stored procedures, and database components to support business processes.
- Assisted with application testing, debugging, maintenance, and performance optimization.
- Collaborated with senior developers throughout the software development lifecycle.
- Participated in Agile ceremonies including sprint planning, stand-ups, retrospectives, and team collaboration sessions.

Education

- **Master of Science in Data Analytics | Dublin Business School, Ireland** **2022-2023**

Core Modules: - Advanced Data Analytics, Data Visualization, Machine Learning and Predictive Analytics, Data Mining, Statistical Methods for Data Analysis, Natural Language Processing.

- **B.Tech in Computer Science Engineering | Kerala Technological University 2015-2019**

Core Modules: - C/C++, Java, Python, Object-Oriented Programming, Data Structures and Algorithms, Database Management Systems, TCP/IP Protocol Suite, OSI Model, Firewalls, IDS/IPS, secure protocols, Software Development Life Cycle, Encryption and Cryptography, Machine Learning and Data Science