

Mouhamad kbar

SENIOR FULL STACK SOFTWARE ENGINEER (.NET | ANGULAR)

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science
Lebanese University, Zahle, Lebanon
2018 – 2022

PROFESSIONAL CERTIFICATION

Cyber Security Certificate
Youbee Institute, Beirut, Lebanon
March 2024

SKILLS

Programming Languages

- C#
- VB.NET
- TypeScript
- JavaScript (ES6+)
- SQL (T-SQL)

Backend Development

- ASP.NET Core (.NET 6-8)
- ASP.NET MVC
- ASP.NET Web API
- ADO.NET
- Entity Framework / Entity Framework Core
- LINQ
- RESTful API Development
- SignalR
- JWT Authentication
- Middleware
- Dependency Injection

Frontend Development

- Angular (v10-v18)
- Angular Material
- Kendo UI
- Bootstrap
- HTML5
- CSS3

PROFESSIONAL SUMMARY

Senior Full Stack Software Engineer with 5+ years of experience architecting, developing, and optimizing enterprise web and desktop applications using .NET technologies and Angular. Expertise spans ASP.NET Core, ASP.NET MVC, VB.NET, Angular, SQL Server, Entity Framework, RESTful APIs, SignalR, Telerik Reporting, and RDLC. Recognized for modernizing legacy systems, designing scalable software architectures, improving application performance, and delivering secure, maintainable, and business-driven solutions. Adept at leading projects throughout the full Software Development Life Cycle (SDLC), collaborating with cross-functional teams, and applying engineering best practices to build reliable, high-quality software.

EXPERIENCE

Windows Application Developer – Eduware| Bierut Feb 2026 –Present

- Engineered enterprise-grade School ERP desktop applications using **VB.NET, WinForms, ADO.NET, and SQL Server**, delivering scalable solutions for student registration, finance, accounting, attendance, scheduling, examinations, and academic management.
- Designed, developed, and optimized **SQL Server** databases, stored procedures, functions, views, triggers, and SQL Jobs to improve system performance, data integrity, and reporting efficiency.
- Developed advanced **RDLC reporting solutions** with dynamic layouts, multilingual support, barcode generation, financial reporting, and seamless export to **PDF** and **Excel** formats.
- Built automated Excel processing and reporting solutions using **Microsoft Office Interop** and **ClosedXML**, enabling bulk data import, formatted exports, and large-scale report generation.
- Modernized and enhanced legacy **.NET Framework** applications by implementing reusable components, improving maintainability, and adopting modern development practices while preserving system stability.
- Optimized application performance through database query tuning, execution plan analysis, and memory

- SCSS
- RxJS
- NgRx
- Reactive Forms
- Lazy Loading
- Route Guards
- Resolvers
- Custom Pipes & Directives

Database Technologies

- Microsoft SQL Server
- Database Design
- Stored Procedures
- Functions
- Views
- Triggers
- SQL Jobs
- Query Optimization
- JSON Processing

Reporting

- Telerik Reporting
- RDLC Reports
- Dashboard Development
- PDF / Excel Export
- Barcode Integration

Microsoft Office Automation

- Microsoft Office Interop
- ClosedXML
- EPPlus

Development Tools

- Visual Studio
- Visual Studio Code
- SQL Server Management Studio (SSMS)
- Git
- GitHub
- Postman
- Swagger

Software Engineering

- Object-Oriented Programming (OOP)
- SOLID Principles
- Design Patterns
- Clean Architecture
- Domain-Driven Design (DDD)
- Software Development Life Cycle (SDLC)
- Agile Methodologies
- Performance Optimization

Additional Technologies

optimization, significantly improving report generation and transaction processing for large datasets.

- Implemented complex business rules and validation mechanisms across financial and student management modules, ensuring compliance with business requirements and data accuracy.
- Collaborated with cross-functional teams, business analysts, and stakeholders to analyze requirements, troubleshoot production issues, deliver new features, and continuously enhance enterprise software solutions

Full Stack Software Engineer – Anhar Pro Company | KSA March 2022 – January 2026

- Designed and delivered enterprise-grade web applications using **ASP.NET Core, ASP.NET MVC, C#, VB.NET, Angular, and SQL Server**, building scalable, secure, and high-performance business solutions.
- Architected and developed secure **RESTful APIs** using **ASP.NET Core**, implementing **JWT Authentication**, role-based authorization, middleware pipelines, and service-oriented architecture.
- Developed modern **Angular (v10–v18)** applications using **TypeScript, RxJS, Angular Material, Bootstrap, SCSS, and Kendo UI**, delivering responsive, maintainable, and high-performance user interfaces.
- Built reusable Angular components, Reactive Forms, custom directives, pipes, route guards, resolvers, feature modules, lazy loading, and state management using **NgRx** and **BehaviorSubject**.
- Integrated Angular applications with backend services through **REST APIs**, HTTP Interceptors, centralized error handling, and asynchronous data communication.
- Implemented **real-time notifications and live data synchronization using SignalR**, enabling instant updates, user alerts, and seamless communication across connected clients.
- Designed scalable software architectures following **Clean Architecture, SOLID principles, Dependency Injection**, and **Domain-Driven Design (DDD)** to improve maintainability and long-term scalability.
- Designed and optimized **SQL Server** databases, Stored Procedures, Functions, Views, JSON processing, and query performance to support enterprise-scale applications.
- Developed enterprise reporting and dashboard solutions using **Telerik Reporting**, including advanced filtering, dynamic reports, interactive dashboards, and PDF/Excel export.
- Improved application performance using **asynchronous programming**, caching, **OnPush Change Detection**, lazy loading, query optimization, and efficient resource management.

- JSON
- XML
- IIS Deployment
- Windows Forms (WinForms)

CORE COMPETENCIES

- Enterprise Software Development
- Full Stack Web Development (.NET & Angular)
- Software Architecture & System Design
- RESTful API Design & Integration
- SQL Server Database Design & Optimization
- Enterprise Reporting & Dashboard Development
- Performance Optimization & Application Tuning
- Authentication & Authorization (JWT)
- Real-Time Applications (SignalR)
- Financial & ERP Systems
- School Management Systems
- Legacy System Modernization
- Software Development Life Cycle (SDLC)
- Requirements Analysis & Solution Design
- Cross-Functional Team Collaboration
- Technical Problem Solving
- Microsoft Azure
- Azure App Services
- Azure SQL Database
- Azure DevOps
- Docker
- GitHub Actions
- CI/CD Pipelines
- IIS Deployment

LANGUAGES

- Arabic - Native
- English - Fluent

- Collaborated with cross-functional teams, business stakeholders, QA engineers, and project managers throughout the complete **Software Development Life Cycle (SDLC)**, from requirements analysis and system design to deployment and production support.
- Deployed and maintained ASP.NET Core applications using Microsoft Azure App Services and Azure SQL.
- Containerized applications using Docker to ensure consistent development and deployment environments.
- Implemented CI/CD pipelines using Azure DevOps and GitHub Actions, automating build, testing, and deployment processes.

FEATURED PROJECTS

School ERP System

Technologies: ASP.NET Core, Angular, SQL Server, SignalR, Entity Framework, Telerik Reporting, RDLC

- Designed and developed a comprehensive **School ERP System** supporting student registration, attendance, examinations, scheduling, finance, accounting, and reporting.
- Built secure RESTful APIs with JWT Authentication and role-based authorization.
- Implemented real-time notifications and live data synchronization using **SignalR**.
- Developed advanced reporting solutions using **Telerik Reporting** and **RDLC** with PDF/Excel export capabilities.
- Optimized SQL Server stored procedures and database performance for large-scale data processing.

Mobile Store & Online Money Transfer

Platform(<https://aaacelllbb.com/>)

Technologies: ASP.NET Core, Angular, SQL Server, REST API

- Designed and developed a complete mobile store and online money transfer platform.
- Implemented secure authentication, customer management, and transaction processing.
- Developed responsive Angular interfaces and RESTful backend services.
- Designed and optimized SQL Server database structure for business operations.

Student Attendance & Scheduling Platform

Technologies: ASP.NET Core, Angular, SQL Server, SignalR

- Developed a real-time attendance and scheduling platform for educational institutions.
- Built interactive dashboards for teachers and administrators.
- Implemented live attendance updates and schedule synchronization using **SignalR**.
- Optimized application performance and database queries for high-volume data processing.