

Adel Abdelfattah Ibrahim Abusaadya

.NET Backend Developer

Contact Information

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Profile Summary

.NET Backend Developer with strong expertise in C#, ASP.NET Core, Entity Framework Core, SQL Server, and Dapper. Experienced in building scalable REST APIs using Clean Architecture, Onion, and Vertical Slice with CQRS, Mediator Pattern (MediatR), and Behavior Pipeline. Skilled in authentication and authorization with JWT, OAuth2, Two-Factor Authentication, Policy-based and Feature-based Authorization. Hands-on experience with Docker (Compose & Swarm) for containerized environments and distributed services (SQL Server, Redis, Elasticsearch, MongoDB). Proficient in API documentation (OpenAPI, Swagger, Scalar), background processing (Quartz, Hangfire), and testing utilities (Bogus). Familiar with Agile methodologies and CI/CD pipelines for automated build, testing, and deployment.

Technical Skills

- **Backend Development:** C#, ASP.NET Core Web API & ASP.NET ASPIRE.
- **Architectures & Patterns:** Clean Architecture, Onion Architecture, Vertical Slice, CQRS, DDD (basic) & Mediator Pattern.
- **Authentication & Authorization:** JWT, OAuth2, Two-Factor Authentication (2FA), Policy-based & Feature-based Authorization.
- **API Development:** REST API, OpenAPI, Scalar & Swagger.
- **Background Processing:** Quartz.NET, Hangfire & Hosted Services.
- **Data & Messaging:** Entity Framework Core, LINQ, SQL Server, PostgreSQL, MongoDB, Redis & RabbitMQ (with CAP).
- **Testing & Utilities:** Bogus, Dapper & Postman.
- **Infrastructure & DevOps:** Docker, Docker Compose, Docker Swarm, .NET Aspire & CI/CD Pipelines(basics).
- **Cross-cutting Concerns:** Pipeline Behaviors, Interceptors, Logging, Validation, Exception Handling, Caching & CancellationToken.
- **Frontend Knowledge:** JavaScript, Tailwind CSS & React JS.

- **Search & Caching:** Elasticsearch & Redis
- **Methodologies:** Agile & DDD Strategic Design (basics).

Projects

- **Booking System (Clean Architecture):** Designed and implemented a modular booking system with CQRS, Domain layer, and Application layer. Worked with EF Core and SQL Server.
- **Examination System (Vertical Slice):** Designed and implemented an exam management platform using Vertical Slice Architecture with CQRS and MediatR. Features include user roles (admin/teacher/student), question banks, timed exams, submissions, scoring, and analytics. Implemented JWT + 2FA, Policy/Feature-based authorization, Swagger/OpenAPI/Scalar, and background jobs with Hangfire/Quartz for scheduled exams and result processing. Containerized with Docker Compose; integrated SQL Server, Redis (caching), and Elasticsearch (search & analytics).

Education

B.Sc. in Petroleum Engineering.

Certifications & Training

- JSB Job Simulation Bootcamp – Upskilling.