

ANAS AMIN

.NET SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

.NET engineer working where permissions, workflows, background processing, real-time updates, and document retrieval meet. Built internal RAG features at Mirion and the Qdrant-based retrieval layer for Project Pavilion. Arkedia is a side business where the work remains hands-on across implementation, code review, delivery, and deployment.

TECHNICAL SKILLS

Backend: C#, .NET, ASP.NET Core, Clean Architecture, CQRS, Microsoft Orleans

Frontend: Angular, Blazor WebAssembly

AI and Search: RAG, embeddings, vector search, OpenAI, Qdrant, Azure AI and search services

Data and Storage: SQL Server, MySQL, Redis

Real-Time and Background Processing: SignalR, Hangfire, Quartz.NET

Delivery Tools: Docker, Nginx, GitHub Actions, Azure Pipelines

Engineering Delivery: Architecture decisions, delivery planning, task breakdown, code review, mentoring, client communication, deployment

PROFESSIONAL EXPERIENCE

ARKEDIA

Founder & Lead Developer | Side Business | 2022 - Present

- Contribute hands-on to implementation and lead delivery across project-management, ticketing, security-workforce, education, property, and commerce platforms.
- Lead architecture decisions, delivery planning, task breakdown, code reviews, mentoring, client communication, and deployments.

MIRION

Full-Stack Developer | Remote | Apr 2025 - Jan 2026

- Developed ASP.NET Core services using Clean Architecture and CQRS, with Blazor WebAssembly interfaces.
- Built RAG features for internal document chat and knowledge retrieval.
- Used Docker, GitHub Actions, and Azure Pipelines for delivery, and supported distributed background work with Microsoft Orleans.

EZONE

Backend Developer | Remote | Dec 2024 - Mar 2025

- Refactored backend services to simplify the code and reduce unnecessary database calls.
- Wrote deployment automation and coordinated API integration with front-end developers.

MKCL ARABIA

Full-Stack Developer | Nov 2023 - Dec 2024

- Delivered backend and front-end features with .NET and Blazor.

APPYINNOVATE

Full-Stack Developer | Remote, Saudi Arabia | Apr 2023 - Sep 2023

- Developed and maintained ASP.NET Core MVC applications across the company's commerce and business-management products for Saudi clients.
- Extended the nopCommerce platform with custom modules and reworked existing code paths to improve system performance.
- Built Angular and Bootstrap interfaces against the .NET back end, delivering features to agreed business requirements with the delivery team.

PROJECTS

ARKEDIA PROJECTS

Led delivery and contributed to implementation across the Arkedia projects below.

PROJECT PAVILION | PROJECT MANAGEMENT AND AI DOCUMENT WORKFLOWS

- Combines project, risk, stakeholder, meeting, traceability, subscription, and AI-assisted document workflows in one project-management platform.
- Implemented the RAG capability using embeddings, Qdrant vector search, incremental indexing, and degraded-mode handling.

Technology context: C#, .NET, Angular, OpenAI, Qdrant, Redis, SQL Server, SignalR, Microsoft Orleans

Project link: <https://projectpavilion.com/>

SHIELD | SECURITY-WORKFORCE PLATFORM

- Built the platform from scratch for security companies and their clients, including dashboards, role-based access, and tenant and client workflows using Angular and .NET.
- Covers service contracts, attendance and geofencing, payroll, recruitment, patrols, emergency workflows, and real-time web and mobile operations.
- Led team delivery through Agile sprints and handled Docker and Nginx deployment setup.

Technology context: C#, .NET, Angular, Flutter, SQL Server, SignalR, Firebase, Hangfire, Docker, Nginx

Project link: <https://shield.arkedia.dev/>

APS | CONSTRUCTION BILL OF QUANTITIES AND QUOTATION PLATFORM

- Supports bill of quantities (BOQ) document processing, product matching, pricing rules, quotation generation, access control, and an audit trail.

Technology context: C#, .NET, Angular, SQL Server, OpenAI, Qdrant, Redis, Microsoft Orleans, Docker, Nginx, GitHub Actions

Project link: <https://aps.arkedia.dev/>

ZOTIC | MULTI-TENANT EVENTS AND TICKETING

- Covers ticket sales, encrypted QR validation, payments, ticket gifts, conferences, championships, real-time updates, and web and mobile operations.

Technology context: C#, .NET, Angular, Flutter, SQL Server, SignalR, Hangfire, Telr, MinIO, Docker

Project link: <https://zotic.net/>

STUDYLINK | UNIVERSITY BOOKSTORE COMMERCE AND DELIVERY

- Connects university bookstores, students, and delivery staff through catalogue, ordering, payment, delivery, wallet, settlement, and promotion workflows.

Technology context: C#, .NET, Angular, Flutter, SQL Server, SignalR, Firebase, Quartz.NET, Docker

Project link: <https://studylink.arkedia.dev/>

HAPPY TICKET | SPORTS AND EVENTS TICKETING

- Supports seat selection, conference workflows, ticket gifts, QR validation, payments, and real-time updates in a multi-tenant platform.

Technology context: C#, .NET, Blazor Server, MySQL, SignalR, Hangfire, Telr

Project link: <https://ticketshappy.com/>

EXAMINATION AND QUESTION BANKING PLATFORM | ACADEMIC ASSESSMENT

- Models academic structures, supports several question formats, manages shared question banks, imports structured files, and provides bilingual administration.

Technology context: C#, .NET, Angular, SQL Server, MediatR, FluentValidation, Docker

Project link: <https://qbank.arkedia.dev/>

AMLAAK | BILINGUAL REAL-ESTATE PLATFORM

- Combines a bilingual public real-estate website and administration portal backed by a .NET API, SQL Server, object storage, and background integrations.

Technology context: C#, .NET, Angular, SQL Server, MinIO, Hangfire, Docker, Nginx

Project link: <https://amlak-demo.arkedia.dev/>

ALREEF | AGRICULTURAL CATALOGUE AND ADMIN CMS

- Includes a bilingual agricultural-product catalogue, brand website, contact enquiries, and a permission-gated administration CMS.

Technology context: C#, .NET, Angular, SQL Server, JWT, MinIO, MediatR, NSwag

Project link: <https://alreef.org/>

SPORTIFY | SPORTS DISCOVERY AND BOOKING

- Connects players with sports facilities through discovery, availability, booking, games, teams, ratings, and bilingual web workflows.

Technology context: C#, .NET, Angular, SQL Server, SignalR, Google Maps

Project link: <https://sportfy.arkedia.dev/>

FOUR LOCATION | BILINGUAL PROPERTY PLATFORM

- Provides search and filters, maps, listing galleries, favourites, payment-plan details, and direct agent contact.

Technology context: C#, .NET, Angular, SQL Server, Google Maps, NSwag

Project link: <https://fourlocation.arkedia.dev/>

EDUCATION

Bachelor of Computer and Information | Kafr El-Sheikh University | Oct 2019 - Jul 2023

LANGUAGES

Arabic (Native) | **English** (Fluent)