

Anas Amin

Software Team Lead · Senior .NET Engineer

Egypt · Relocating to Riyadh, Saudi Arabia +966 56 385 3092 (Calls & WhatsApp) +20 103 204 0649 anasamin22311@gmail.com
linkedin.com/in/anas-amin0 github.com/anasamin22311 anasamin.dev

SUMMARY

Software Team Lead and Senior .NET Engineer. Founder of Arkedia, delivering systems since 2022 for clients in Saudi Arabia and Egypt across ticketing, security workforce operations, real estate, construction pricing, training-centre accounting and AI-assisted project management. Twenty systems are documented on anasamin.dev and fourteen are publicly reachable. I own architecture, delivery planning, code review and releases, and stay hands-on in ASP.NET Core, Angular, Blazor and RAG search.

4 yrs leading delivery **20** systems documented here **14** live — open any of them **11** industries

SELECTED SYSTEMS (ARKEDIA)

- **Project Pavilion** (2025, projectpavilion.com) — AI-assisted project management SaaS: 9 modules, 54 entities, 233 CQRS handlers, 115 permissions. Built the RAG path (GPT-4.1, Qdrant, incremental indexing, degraded mode) and the AI approval workflow. *.NET 9, Angular 20, OpenAI GPT-4.1, Qdrant, Redis, Microsoft Orleans.*
- **Amlaak** (2026, amlaak-dev.arkedia.dev) — Bilingual real-estate platform on .NET 10 / Angular 22: 23 entities, 90 CQRS handlers, 55 permissions over 7 roles, 13-module admin, Odoo CRM sync through a transactional outbox, TOTP MFA; 1,066 backend tests, 254 Angular specs, 81 Playwright e2e, k6 load profiles. *.NET 10, ASP.NET Core, Angular 22, SQL Server 2022, EF Core, MediatR.*
- **Shield** (2024, shield.arkedia.dev) — Security workforce platform and B2B marketplace: 394 endpoints, 94 entities, 321 permissions over 5 role types, GPS geofencing, SOS and push-to-talk over 3 SignalR hubs, payroll engine, 59 notification types, 28-screen Flutter app. *.NET 9, Angular, Flutter, SQL Server, EF Core, MediatR.*
- **Zotic** (2024, zotic.net) — Multi-tenant event ticketing SaaS, live at zotic.net: 228 endpoints, 46 entities, 82 permissions, AES-256 encrypted QR gate scanning, Telr payments, gift-ticket workflow, 91-component Angular dashboard, 30+ screen Flutter app. *.NET 9, Angular, Flutter, SQL Server, EF Core, MediatR.*
- **Happy Ticket** (2025, ticketshappy.com) — Blazor Server ticketing platform, live at ticketshappy.com: 20,000+ tickets sold across 50+ events, multi-tenant venues, seat-level stadium engine, gift tickets, QR gate validation, Telr payments, 88 permissions, 2 SignalR hubs. *.NET 8, Blazor Server, MudBlazor, MySQL, SignalR, Hangfire.*
- **APS** (2024, aps.arkedia.dev) — AI price-offer system for construction firms: BOQ extraction, GPT-4o + Qdrant product matching, human price review, generated offer documents; offer preparation from 3 days to 2 hours (85% faster), 5+ firms, zero pricing errors since deployment. *.NET 9, Angular 20, SQL Server, OpenAI GPT-4o, Qdrant, Redis.*
- **CAS** (2025, cas.arkedia.dev) — Accounting and student management for a training centre with 50+ visiting doctors: enrollment engine with price snapshot and three-way revenue split, distribution journal for month-end, doctor portal, reception desk, 4 dashboards; 102 CQRS handlers, 85 permissions over 5 roles. *.NET 9, Angular 20, SQL Server, EF Core, MediatR, FluentValidation.*
- **Alreef** (2026, alreef.org) — Arabic-first brand and catalogue platform, live at alreef.org: Angular SSR, 83 CQRS handlers, CMS with 35 permissions over 11 modules, 736 translation keys per language with CI parity, hash-based CSP, rate limiting verified by tests, Playwright e2e. *.NET 9, Angular 20 SSR, Signals, SQL Server, EF Core, MediatR.*
- **Question Banking** (2024, harvard.arkedia.dev) — Bilingual examination and curriculum platform: a ten-level academic hierarchy, four question types, bank sharing with five visibility levels and three permission tiers, bulk Excel/CSV/JSON import with in-UI error correction; 125+ endpoints, 55+ permissions. *.NET 9, Angular 20, SQL Server, EF Core, MediatR, FluentValidation.*
- **Mutawir** (2026, almutawir.arkedia.dev) — Arabic supervision platform for a private-plan developer in Riyadh: 20 entities, 33 Razor views and a JWT REST API; six contract parties per project, Umm al-Qura Hijri dates, milestone timelines with per-item work-step progress, PDF reports, 21 permissions and an exportable audit log. *.NET 8, ASP.NET Core MVC, REST API, SQL Server, EF Core, ASP.NET Identity.*

- **Zotic Auto** (2026, auto.zotic.net) — Arabic-first operations app for a vehicle service centre and a warehouse: gate check-in/out with state validation, a movement log responsive at 20,000+ rows, six roles with a runtime-editable permission matrix, CSV reports; 46 unit tests and 24 Playwright browser tests. *Angular 22, TypeScript, Angular Material 3, RxJS, Vitest, Playwright.*

ALSO DELIVERED

StudyLink (2024, educational commerce & logistics); Sportify (2026, sports facility booking); Four Location (2024, property listings); ZATCA e-invoicing (2024, Arkedia); Document translation (2024, Mirion); Online examination (2023, MKCL Arabia); Foodie (2023, Arkedia); Dental practice (2023, Arkedia); Gad Shop (2023, Arkedia).

EXPERIENCE

Founder & Lead Engineer • Arkedia 2022 – Present

Clients in Saudi Arabia and Egypt

- Architecture, delivery planning, code review and release across every platform below.
- Built the AI search paths myself: RAG over Qdrant for Project Pavilion, product matching for APS.
- Client work in Arabic and English, from scoping to production support.

Full-Stack Developer • Mirion Apr 2025 – Jan 2026

Remote

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

Backend Developer • Ezone 2025

Remote

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

Full-Stack Developer • MKCL Arabia Nov 2023 – Dec 2024

- Delivered backend and front-end work with .NET and Blazor, researching and testing new tools as part of feature work.

SKILLS

Backend	C#, .NET 8–10, ASP.NET Core, EF Core, MediatR, Clean Architecture, Orleans
Frontend	Angular 20–22 (Signals, SSR), Blazor Server and WASM, TypeScript
AI & search	RAG, GPT-4.1 / 4o, embeddings, Qdrant, Semantic Kernel
Data & async	SQL Server, MySQL, Redis, MinIO, SignalR, Hangfire, Quartz
Security	ASP.NET Identity, JWT, TOTP MFA, CSP, rate limiting, audit logs
Ops	Docker, Nginx, GitHub Actions, Azure Pipelines, Playwright, k6, xUnit

EDUCATION

Bachelor of Computer and Information Oct 2019 – Jul 2023

Kafr El-Sheikh University

LANGUAGES

Arabic (native), English (professional working proficiency).