

# Abdallah Tharwat Abd El Maged

Back-End Developer | .NET · C# · ASP.NET Core · Web API  
[abdallahtharwat91@gmail.com](mailto:abdallahtharwat91@gmail.com) | +20 102 353 1960 | Cairo, Egypt

Portfolio: <https://abdallah.deve-design.com>

## PROFESSIONAL SUMMARY

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Back-End Developer with 3 years of experience designing and building scalable web applications, RESTful APIs, and enterprise systems on the .NET platform. Strong command of C#, ASP.NET Core, ASP.NET MVC, Entity Framework, and relational/NoSQL databases (SQL Server, PostgreSQL, MySQL, MongoDB). Delivered production platforms across e-commerce, event ticketing, government, tourism, and enterprise domains for clients in Egypt and Saudi Arabia, applying Clean Architecture, SOLID principles, and proven design patterns to build secure, high-performance, and maintainable systems.

## TECHNICAL SKILLS

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**Languages:** C#, SQL

**Frameworks & Libraries:** .NET Core, ASP.NET Core MVC, ASP.NET MVC, ASP.NET Web API, Entity Framework / EF Core, LINQ

**Databases:** SQL Server, PostgreSQL, MySQL, MongoDB

**Architecture & Practices:** Clean Architecture, SOLID Principles, Design Patterns, RESTful API Design

**Security:** JWT Authentication, Role-Based Access Control

**Tools & Workflow:** Git, REST, JSON, Agile collaboration

## PROFESSIONAL EXPERIENCE

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**Spark Systems** — Back-End Developer [2022] – Present · Cairo, Egypt

- Serve as a core Back-End Developer delivering multiple production platforms across e-commerce, ticketing, government, tourism, and enterprise domains for clients in Egypt and Saudi Arabia.
- Design and build secure, scalable RESTful APIs in ASP.NET Core consumed by web, iOS, and Android clients.
- Apply Clean Architecture, SOLID principles, and design patterns to produce maintainable, testable codebases.
- Model and optimize relational and NoSQL databases (SQL Server, PostgreSQL, MySQL, MongoDB) using EF Core and LINQ.
- Implement authentication and authorization with JWT and role-based access control across applications.
- Integrate third-party services including payment gateways, push notifications, and AI assistants.
- Collaborate with mobile, frontend, and design teams to define API contracts and ship features end-to-end.

## PROJECTS

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**1. Sela Super App** — *Enterprise Employee Super-App (iOS, Android, Web)*

**Objective:** Unify employee communication, e-learning, news, gamification, and an AI assistant in one internal app for Sela.

- Architected and developed the backend for a multi-module super-app consolidating a social feed, internal courses (LMS), company news, achievements/badges, and an AI-powered assistant, serving [thousands of] employees.
- Designed and implemented RESTful APIs in ASP.NET Core consumed by iOS, Android, and web clients.
- Built a modular Clean Architecture solution with strict separation of concerns, enabling parallel feature delivery across teams.
- Modeled relational schemas in SQL Server using EF Core and LINQ, applying indexing and query optimization to keep core endpoints under [~200 ms] at peak load.
- Implemented secure authentication and authorization using JWT with role-based access control.

**Technologies Used:** C#, ASP.NET Core, Web API, EF Core, LINQ, SQL Server, Clean Architecture, SOLID, JWT, RESTful APIs, Git.

Links: [Website](#) · [Google Play](#) · [App Store](#)

## 2. Welcome to Egypt — Ministry of Foreign Affairs Consular Portal (Web)

**Objective:** Provide official consular services and information for Egyptians abroad and visitors (bilingual AR/EN).

- Developed backend services and RESTful APIs for an official Ministry of Foreign Affairs portal, supporting consular content and citizen services with government-grade reliability.
- Implemented secure, role-based access (JWT) and rigorous input validation to protect sensitive government data.
- Designed normalized relational schemas (SQL Server / PostgreSQL) and used EF Core and LINQ for efficient access to bilingual content.
- Optimized API responses and caching to deliver fast load times for users across global regions.
- Applied Clean Architecture and SOLID principles for a maintainable, auditable codebase.

**Technologies Used:** C#, ASP.NET Core, Web API, EF Core, SQL Server, PostgreSQL, LINQ, JWT, Clean Architecture, RESTful APIs.

Links: [Website](#)

## 3. Covery — E-Commerce Platform for Bags & Accessories (Web)

**Objective:** Sell bags & accessories online with full catalog, checkout, payments, and order management.

- Built the backend and RESTful APIs for an end-to-end e-commerce platform, including product catalog, inventory, cart, checkout, and the full order lifecycle.
- Integrated a secure online payment gateway [Paymob] with transaction reconciliation.
- Designed relational schemas for products, variants, pricing, orders, and customers in SQL Server using EF Core and LINQ.
- Implemented JWT-based authentication, customer accounts, and role-based admin access.
- Delivered multilingual (Arabic/English), SEO-friendly content and admin endpoints (catalog, orders, promotions, reporting).
- Built a two-way Odoo ERP integration syncing products, categories, attributes, shipping methods, and warehouse transactions between the store and Odoo.
- Applied Clean Architecture, SOLID, and the Repository/Unit-of-Work patterns for a scalable, maintainable codebase.

**Technologies Used:** C#, ASP.NET Core MVC, Web API, EF Core, SQL Server, LINQ, JWT, Odoo ERP Integration, RESTful APIs, Clean Architecture, Design Patterns.

Links: [Website](#)

## 4. Stock (Stock B2B) — B2B Wholesale Ordering Platform (iOS, Android)

**Objective:** Let business clients browse catalogs and place/manage wholesale orders with customer-specific pricing.

- Developed the backend and APIs powering a B2B ordering app, supporting catalog browsing, customer-specific price lists, and fast bulk reordering.
- Designed APIs consumed by native iOS and Android clients with standardized JSON contracts and pagination for large catalogs.
- Modeled B2B entities (companies, price lists, orders, invoices) and optimized queries for large datasets.
- Implemented secure JWT authentication with role/permission tiers for buyers and sales agents.
- Built an order workflow with status tracking and push notifications, applying Clean Architecture and SOLID.
- Integrated Odoo ERP for product/unit synchronization and AWS SQS for asynchronous, decoupled service-to-service notifications and messaging.

**Technologies Used:** C#, ASP.NET Core, Web API, EF Core, SQL Server, LINQ, JWT, AWS SQS, Odoo ERP Integration, RESTful APIs, Clean Architecture.

Links: [Google Play](#) · [App Store](#)

## 5. Amaken Misr — Lifestyle & Tourism Discovery Platform (Web, iOS, Android)

**Objective:** Help users discover Egypt's places, experiences, and events across dining, culture, wellness, and festivals.

- Built backend services and APIs for a multi-category lifestyle/tourism discovery app spanning dining, culture, wellness, and events.

- Developed geolocation-aware listing and search APIs with filtering by category, location, and rating.
- Designed schemas for places, categories, events, reviews, and media, and optimized search queries for responsive discovery.
- Implemented secure JWT authentication, user profiles, favorites, and event registration.
- Delivered consistent RESTful APIs consumed by web, iOS, and Android clients, applying Clean Architecture and SOLID.

**Technologies Used:** C#, ASP.NET Core, Web API, EF Core, SQL Server, LINQ, JWT, RESTful APIs, Clean Architecture.

**Links:** [Website](#) · [Google Play](#) · [App Store](#)

## 6. Dream Team Academy — Academy Management & E-Learning Platform

**Objective:** Manage a sports academy and deliver e-learning: registration, programs, scheduling, and progress tracking.

- Designing and building the backend and REST APIs for an academy platform (registration, programs, schedules, attendance, and progress tracking).
- Modeling domain entities (students, coaches, programs, sessions, attendance) with EF Core and SQL Server.
- Implementing JWT authentication and role-based access for admins, coaches, and students/parents.
- Structuring the solution with Clean Architecture and SOLID for long-term maintainability.

**Technologies Used:** C#, ASP.NET Core, Web API, EF Core, SQL Server, LINQ, JWT, Clean Architecture.

## 7. Taleed — Real Estate & Housing Platform (Mobile)

**Objective:** Browse, list, and manage residential properties and housing units (real-estate platform).

- Designing the backend and REST APIs for the Taleed real-estate platform.
- Modeling core domain entities (properties, units, listings) with EF Core and SQL Server.
- Implementing JWT authentication and role-based access control.
- Structuring the codebase with Clean Architecture and SOLID principles.

**Technologies Used:** C#, ASP.NET Core, Web API, EF Core, SQL Server, LINQ, JWT, Clean Architecture.

## 8. Nawell — Sports Pitches Initiative Platform (Web)

**Objective:** Support a Saudi national initiative to build accessible football pitches and let users register in training programs online.

- Developing backend services and APIs for the Nawell platform (programs catalog and online registration) consumed by a web frontend.
- Designing relational schemas and data access with EF Core and LINQ.
- Implementing secure authentication (JWT) and admin/content-management capabilities, applying Clean Architecture and SOLID.

**Technologies Used:** C#, ASP.NET Core MVC, Web API, EF Core, SQL Server, PostgreSQL, LINQ, JWT, Clean Architecture.

**Links:** [Live](#)

## MORE PROJECTS

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**SAFF Tickets** — White-label, multi-tenant event-ticketing platform for the Saudi Arabian Football Federation — match listings, seat selection, secure checkout, and high match-day throughput (iOS, Android).

**The Comedy Factory** — Booking & events platform for a comedy & entertainment brand — show calendar, ticket booking, and media galleries.

**Boulevard World** — Entertainment-destination platform for Riyadh Season — events, attractions, galleries, and sponsors at large scale.

# Portfolio — full interactive showcase of all 11 projects (screenshots & case studies):

<https://abdallah.deve-design.com>

## EDUCATION

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**Bachelor's Degree in Commerce** — Faculty of Commerce, Ain Shams University, Cairo

2022

