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Brief Summary

.NET Backend Developer with 3 years of production experience building scalable REST APIs, real-time systems, and complex relational databases in C# and ASP.NET Core. Experienced across ERP, e-commerce, e-learning, CRM, and marketplace platforms – from greenfield architecture to legacy system ownership. Comfortable working independently in remote environments and taking full ownership of backend modules end-to-end.

Experience

Cloud4Rain

Cairo, Egypt

Backend Developer (.NET)

Sep 2025 – Present

- Designed and implemented a Hiring service within an ERP microservices ecosystem, including a dynamic approval workflow integrated with an external HR service to support configurable, organization-based approval chains.
- Stabilized critical production government systems (CAC, APA, SLA) by resolving high-priority bugs and improving reliability under live conditions.

HelpTk

Cairo, Egypt

Backend Developer (.NET)

Jan 2024 – Sep 2025

- Took full ownership of multiple backend modules within Talgaha, a large-scale legacy platform covering POS, e-commerce, delivery tracking, and operations.
- Built a Delivery service from scratch with real-time driver tracking via SignalR and full mobile app integration.
- Designed and implemented a mini ERP module covering chart of accounts, journal entries, and financial reporting, integrated with clients, suppliers, inventory, and payroll.
- Led backend development for an e-learning platform, including RBAC, content and exam management, OTP-based enrollment, and online payment integration (Clickpay.sa).
- Designed scalable SQL Server schema and delivered RESTful APIs with real-time communication via ASP.NET Core.
- Contributed to requirements analysis, solution design, and sprint planning alongside product and frontend teams.
- Deployed and maintained multiple production systems using Plesk.

ELO

Remote, Egypt

Backend Developer (.NET) — (part-time)

Mar 2024 – Nov 2024

- Integrated a secure payment gateway (Sadad) into a construction equipment rental platform.
- Refactored a critical report generation pipeline, cutting execution time from several seconds (with intermittent timeouts) down to milliseconds.
- Resolved production bugs under live conditions, improving system reliability for end users.

Projects

Ehiz — Rental & Reservations Marketplace (Backend)

2025 – Present

- Architected a full generic rental and reservations marketplace backend end-to-end, supporting both vendor and customer workflows.
- Implemented a quote-based negotiation flow with versioned history alongside an instant booking mode with conflict detection (availability rules, exceptions, buffer-time overlaps) backed by a filtered PostgreSQL index.
- Integrated Meilisearch for full-text vendor search with Arabic and English support, using a denormalized document model synced via CQRS command handlers.

- Built an automated notification system with per-action user preferences, a dispatcher/strategy pattern, and a split between an inbox table and a delivery log for tracking.
- Implemented admin analytics including KPI cards, chart endpoints, date filtering, period-over-period comparison, and CSV/PDF export

Stack: ASP.NET Core 10, PostgreSQL, EF Core, MediatR, CQRS, Hangfire, Meilisearch, Docker.

QDriven — Driver Hailing App (Qatar)

2025 – Present

- Built the entire backend solo: auth, booking flow, driver-rider matching, real-time tracking, pricing, and admin tooling; later integrated with a mobile app and dashboard built by a second developer.
- Designed an expanding-radius matching algorithm — the search circle widens over time if no driver accepts, improving match rate without unnecessary noise.
- Implemented traffic-aware dynamic pricing with a peak-hours multiplier.
- Migrated from SQL Server to PostgreSQL with PostGIS for geospatial queries (proximity search, route calculation), also simplifying deployment.

Stack: ASP.NET Core, PostgreSQL, PostGIS, EF Core, SignalR, JWT Auth, Docker.

CRM System — Meta & TikTok Integration

2024 – Present

- Designed and built a full-scale CRM with automated lead capture from Meta and TikTok via webhooks, and dynamic distribution logic across sales teams.
- Enforced role-based lead limits with override options and auto-detachment of inactive leads after 24 hours.
- Automated Meta/TikTok asset fetching (Pages, Ad Accounts, Subscriptions) and built an order dispatch system routing shipments to J&T or PDC based on area-specific pre-assignments
- Implemented dynamic pricing and discount rules integrated with the full order-to-shipment workflow.

Stack: ASP.NET Core 8, Sql Server, CQRS, EF Core, Hangfire, Webhooks.

Education

Helwan University

Egypt

BSc in Computer Science & Physics

Sep 2019 – Jun 2023

GPA: 3.75

Skills

Programming Languages: C#, C, C++, JavaScript

Databases: SQL Server, PostgreSQL (+ PostGIS), MongoDB.

Backend: ASP.NET Core, Entity Framework Core, Identity Framework, LINQ, Hangfire, SignalR, XUnit.

Architecture & Patterns: REST APIs, CQRS, Repository Pattern, Clean Architecture, JWT Auth, RBAC.

Cloud & DevOps: Docker, Git / GitHub, Plesk, Firebase; familiar with AWS and Azure

Integrations: Kafka, RabbitMQ, Webhooks, Elastic Search, Meilisearch, Third-party APIs (Meta, TikTok, payment gateways).

Frontend (Basics): HTML, CSS, JavaScript, Bootstrap, Angular.

Certifications

Jan 2023 **AWS Certified Cloud Practitioner**