Zaid Alkallas

.NET Backend Developer

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SUMMARY

.NET Backend Developer focused on building secure, scalable Web APIs and backend systems with C# and ASP.NET Core. Hands-on experience designing and developing production-oriented applications using modern .NET technologies, with strong knowledge of EF Core, PostgreSQL, REST APIs, authentication, caching, and backend architecture. Familiar with Vertical Slice Architecture, Clean Architecture, automated testing, structured logging, health checks, and CI/CD practices. Also experienced with Blazor and full-stack .NET development.

EDUCATION

Bachelor's Degree in Informatics Engineering 2025 - 2029

Faculty of Information Technology Engineering - Damascus University

Diploma in Computer Technology 2023 - 2025

Technical Computer Institute – Damascus University

Grade: Excellent | 2nd in Class

SKILLS

Backend Development (.NET)

C#, .NET, ASP.NET Core, Minimal APIs, ASP.NET Core Web API, ASP.NET Core MVC, REST APIs, OpenAPI/Swagger, Entity Framework Core, LINQ

Architecture & Engineering

Vertical Slice Architecture, Clean Architecture, Dependency Injection, Authentication & Authorization, Caching, Background Jobs

Databases & Data Access

PostgreSQL, SQL Server, Database Design

Frontend Development

Blazor, HTML, CSS, Bootstrap

Testing & DevOps

xUnit, Integration Testing, Testcontainers, Docker, GitHub Actions, CI/CD

Soft Skills

Effective Communication, Team Collaboration, Time Management, Critical Thinking, Research Skills

PROJECTS

BudgetFriend API - Personal Finance Management System

- Designed and developed a production-oriented personal finance Web API using **ASP.NET Core 10 Minimal APIs** and **Vertical Slice Architecture** to ensure feature isolation and maintainability.

- Modeled complex domain logic including multi-currency account management, transfers, transaction categorization, and financial dashboard aggregations.
- **Optimized** EF Core **queries** and designed efficient data-access patterns using **PostgreSQL** and **Redis** caching.
- Implemented **JWT** authentication, refresh tokens, request validation with **FluentValidation**, rate limiting, structured logging with **Serilog**, health checks, and transactional email workflows.
- Deployed the API using **Render** and **Neon** PostgreSQL, with **Resend** for transactional email delivery.
- Built integration tests using **xUnit** and **Testcontainers** with real PostgreSQL containers and automated them through **GitHub Actions CI**.

Technologies: C#, ASP.NET Core 10, EF Core, PostgreSQL (Neon), Redis, Docker, Serilog, xUnit, Testcontainers.

Source Code: **BudgetFriend.API**

AutoNest - Car Rental & Sales Platform

- Contributed to backend development and built management dashboards using Blazor and Radzen.
- Participated in system architecture planning, ERD design, database schema modeling, and workflow definition.
- Collaborated within a 4-member team developing ASP.NET Core Web APIs and React-based client interfaces.

Technologies: ASP.NET Core Web API, Blazor, React, Radzen, SQL Server

Click&Eat - Restaurant Management System

- Built a full-stack restaurant management platform using ASP.NET Core MVC and EF Core.
- Implemented role-based workflows for admins, managers, cashiers, chefs, customers, and guest users using ASP.NET Core Identity.
- Applied Repository Pattern, Unit of Work, and Service Layer architecture for business logic and data access.
- Automated unattended order handling using Hangfire background jobs and integrated email notifications.

Technologies: ASP.NET Core MVC, EF Core, SQL Server, Hangfire, ASP.NET Core Identity, Bootstrap

Website: **Click&Eat**

LANGUAGES

Arabic	**English**
Native	Very Good