

# Umut Albayrak Backend Developer | Computer Engineering Student

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## Summary

Computer Engineering student focusing on backend development with C# and ASP.NET Core. Competent in RESTful API development, database design, and applying clean architecture principles. Experienced in Git, Firestore, and agile teamwork. Aiming to contribute as a Junior Backend Developer with a focus on performance, scalability, and security.

## Technical Experience

*DatingApp2025*

*Backend Developer & Scrum Master*

- Collaborated in a 5-person team project, assuming the role of both Backend Developer and Scrum Master.
- Developed authentication, reporting, matching, and notification modules using ASP.NET Core Web API.
- Designed and implemented backend integration with Google Firestore for persistent data storage.
- Managed sprint planning and daily meetings as Scrum Master, ensuring team collaboration and task tracking.
- Coordinated with Frontend (React) and AI (Flask) teams to integrate the recommendation system.
- Prepared API documentation and contributed to version control processes via GitHub.

*HUBookReadingSystem - API*

*Personal Project*

- Developed RESTful services using ASP.NET Core Web API to digitize book/author management processes.
- Designed and implemented a relational database schema using Entity Framework Core Code-First approach.
- Established Data Transfer Objects (DTOs) structure to ensure data consistency and secure data transmission.
- Applied Generic Repository Design Pattern for CRUD operations to prevent code duplication.

*TimeTracker - API*

*Personal Project*

- Built a scalable backend infrastructure where users can track their working hours and tasks.
- Increased project maintainability and extensibility by utilizing N-Tier Architecture.
- Managed dependencies and ensured a loose-coupled structure by applying Dependency Injection principles.
- Provided testability and documentation of API endpoints via Swagger UI integration.

## Skills

**Programming Languages:** C#, C++

**Backend Technologies:** ASP.NET Core, Entity Framework Core, RESTful API Development

**Frontend:** HTML, CSS

**Databases:** MSSQL Server, PostgreSQL, Google Firestore

**Other Tools:** Git, GitHub, REST API, Postman, Swagger

**Methodologies:** Scrum, Agile, Clean Architecture

## Education

**Van Yuzuncu Yil University**

*B.Sc. in Computer Engineering*

Van, Turkey

Oct 2023 – Jun 2027

## Certificates

- HackerRank C# (Basic) Certificate – 2025

## Languages

- Turkish – Native
- English – Pre-Intermediate (A2)

## Community & Volunteering

**Ogrenci Kariyeri**

*Campus Representative*

Dec 2025–Present

**Coderspace**

*Event Operations Intern*

Oct 2025–Nov 2025

**IEEE CS TR SAC**

*Project Team Member*

2025–Present

**Developer Community**

*Community Developer Member*

2025–Present