



Furkan Ucgul

Nationality: Turkish **Date of birth:** 31/07/1998 **Gender:** Male **Phone number:** (+48) 793263599

Email address: furkanucgull@gmail.com **LinkedIn:** <https://www.linkedin.com/in/furkanucgull/>

GitHub: <https://github.com/furkanucgull>

Home: Gdynia (Willing to relocate) (Poland)

ABOUT ME

A highly motivated Full Stack Developer with a background in energy engineering. Skilled in developing web applications using technologies such as HTML, CSS, JavaScript, C#, ASP.NET MVC, MSSQL, and Entity Framework. Currently based in Poland, actively seeking opportunities in Germany to further my career in software development.

PROJECTS

[Current]

BookCar - Vehicle Rental System This project is a "Vehicle Rental" system developed based on the Onion Architecture. The project effectively utilizes design patterns such as CQRS, Mediator, and Repository. The name BookCar is inspired by the themes of the project and the course. In this system, users can list their vehicles, perform rental transactions, and leave comments about vehicles. Technologies such as Json Web Token and SignalR are used in the process.

Technologies :

- **Framework :** .NET 8
- **Architecture :** Onion Architecture
- **Database :** Entity Framework Core MSSQL
- **Design Pattern :** CQRS, Mediator, Repository
- **Web Framework :** ASP.NET MVC API: RESTful API for external integration
- **Additional Technologies :** JSON Web Token (JWT), SignalR, Pivot Table, DTO, Fluent Validation
- **Filtering :** LINQ Query
- **Github Link :** <https://github.com/furkanucgull/CarBookApp>

Advertisement Sharing Application This project facilitates users to post advertisements, browse existing ads, communicate with ad owners, and leave comments. It's developed using ASP.NET Core MVC (.NET 6) with Entity Framework Core for database operations, Bootstrap for UI components, and SQL Server for the backend database. Additionally, the application includes authentication and authorization features, as well as filtering capabilities for enhanced user experience.

Technologies :

- **Framework :** .NET 6
- **Architecture :** Layered Architecture
- **ORM (Object-Relational Mapping) :** Entity Framework Core (Microsoft.EntityFrameworkCore)
- **UI Component Library :** Bootstrap (Bogus)
- **Pagination Library :** X.PagedList.Mvc.Core
- **Database :** MSSQL Server
- **Filtering :** LINQ Query
- **Authentication & Authorization :** ASP.NET Core Identity, Cookie-based Authentication
- **Github Link :** <https://github.com/furkanucgull/aspnet-mvc-ads>

VOLUNTEERING

[05/12/2023 – Current] Poland

Content Creator, Trainer, English Teacher I have been volunteering at a school in Gdynia, Poland (*Stowarzyszenie Świętego Mikołaja Biskupa*), where I teach young individuals basic website design and programming. My role involves guiding students through practical exercises and providing them with hands-on experience in coding and designing websites.

EDUCATION AND TRAINING

Bachelor of Science

Gazi University [2017 – 2022]

City: Ankara | Country: Türkiye | Field(s) of study: Energy Engineering

I graduated from Gazi University, Department of Energy Engineering, where I took courses in thermodynamics, fluid mechanics, renewable energy systems, and energy economics. I gained practical experience through projects by applying theoretical knowledge to real-world energy problems.

PUBLICATIONS

[2023]

Optimization of NACA 4412 augmented with a gurney flap by using Grey Relational Analysis

- Achieved a 35.62% improvement in lift coefficient through optimized Gurney flap configuration.
- Demonstrated proficiency in scientific methods, complex data analysis, and aerodynamic performance optimization.
- (6 Citations)

JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING

CERTIFICATIONS

Goldenmade Fundamentals of Programming (C#)

- I completed Siliconmade Academy's Fundamentals of Programming course, gaining a strong grasp of C# and essential programming principles.
- This certificate has deepened my enthusiasm for software development.
- Gained foundational programming skills that enhance analytical and problem-solving abilities relevant to software development.

Platinummade Full Stack Development

Completed a comprehensive development course, applying programming skills to full-stack projects, including a job posting website that received a perfect score. (92.41/100)

Microsoft C# Certification

- I successfully completed Microsoft's C# course with an impressive score of 86.3%.
- This comprehensive training has enhanced my expertise in C# programming, refined my problem-solving skills, and deepened my understanding of software development principles.

DIGITAL SKILLS

C# / ASP.NET / HTML5 / CSS / JavaScript / Asp.Net Core (Entity Framework and MS SQL) / JSON / Object-Oriented Programming / HTML / Web API / Web Development / API Integrations / Bootstrap