



FURKAN UCGUL

FULL - STACK DEVELOPER

CONTACT

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📍 Gdynia - Poland (Ready to Relocate)

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EDUCATION

2017 - 2022

GAZI UNIVERSITY

BACHELOR OF SCIENCE

Energy Engineering

SKILLS

- HTML CSS JavaScript
- React.js
- TailwindCSS, BootStrap
- TypeScript
- UX/UI Assesment
- Git Version Control
- MSSQL
- ASP .Net Core
- Azure
- SCRUM & Agile Methodology

LANGUAGES

- Turkish(Native)
- English (B2)
- German (A1)
- Polish (A1)

PROFILE

I am a creative and driven **Full-Stack Developer** with a knack for developing elegant solutions to complex problems quickly. Holding a **Bachelor of Science in Energy Engineering** from Gazi University, I am passionate about building functional and engaging web applications. As a committed team player, I believe in the power of collaboration to achieve collective success. My experience in software development has allowed me to enhance client efficiency through user-centric design, testing, and implementation. I am eager to continuously expand my programming skills and contribute effectively to impactful projects.

VOLUNTEERING

European Solidarity Corps

12/2023 - PRESENT

Content Creator, Educator

- Provided comprehensive front end development lessons to 2 groups , covering essential technologies and principles such as HTML, CSS, JavaScript, Responsive Design, and Web Accessibility.
- Utilized technology and multimedia resources to enrich the overall learning experience.
- Implemented innovative teaching methods and interactive activities to enhance language proficiency.
- Organized and led coding classes for students, fostering an interest in technology and programming.

PROJECTS

E-Commerce App

[GitHub Link](#)

- Developed a simple and efficient e-commerce application to demonstrate front-end development skills with **React, TailwindCSS, JavaScript, HTML, CSS**.
- Fetches with **Axios** and displays images and datas from a free **API** used with **React-Redux Toolkit**, Github [Repo](#)

Advertisement Sharing Application

[GitHub Link](#)

- Built this website using **ASP.NET Core MVC (.NET 6)**, Entity Framework Core, **Bootstrap**, and **MSSQL Server**. Includes **authentication**, **authorization**, and filtering (**LINQ Query**) features for an enhanced user experience.

Online Learning App

[GitHub Link](#)

- Developed an online platform for accessing educational materials and tracking learning progress.
- **Frontend:** React, TypeScript, HTML, CSS, TailwindCSS
- **Backend:** .NET Core Web API (.NET 8), Entity Framework Core
- **Deployed** front-end on **Netlify** and back-end on **Azure**.
- **Technologies Used:** React, Axios, TypeScript, .NET 8, Redux Toolkit, Formik, Tailwind CSS, MUI, PrimeReact, Azure, Netlify

PUBLICATIONS

JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING 2021 - 2023

[Optimization of NACA 4412 augmented with a Gurney Flap by using Grey Relational Analysis \(8 Citations\)](#)

- The research resulted in a notable 35.62% improvement in the lift coefficient (CL) through optimized Gurney flap configuration, highlighting the effectiveness of the proposed approach in enhancing airfoil aerodynamic performance. By actively contributing to this research and achieving significant improvements, I demonstrated proficiency in applying scientific methods, analyzing complex data, and optimizing aerodynamic performance.