



# KEREM ALBAYRAK

Full-Stack Developer

## EDUCATION

- 2024- 2026** **Düzce University, Faculty of Engineering, Düzce**  
Master's in Computer Engineering
- 2021- 2024** **Gazi University, Faculty of Technology, Ankara**  
Master's in Industrial Design Engineering
- 2012-2019** **Bilkent University, Faculty of Engineering, Ankara**  
Bachelor's in Mechanical Engineering, 50% Merit Scholarship

## WORK EXPERIENCE

### Software Development

**Jan 2025 HENAS – Personal Project, Remote**

**-Mar 2025** (Flask, React, PostgreSQL, Python, Electron)

- Developed a full-stack doctor shift scheduling assistant with optimization algorithms, Flask API, React UI, and an Electron desktop app.
- Enables hospitals to generate fair and constraint-based duty rosters in under **5 minutes**, replacing 4–5 hours of manual work.
- Actively used in multiple hospitals via desktop version. Online demo available at [henas.vercel.app](https://henas.vercel.app) for testing purposes.

**June 2024 Real Solutions, Intern Full Stack Web Developer, Düzce**

**-Oct 2024** (ASP.NET 8, MS SQL, Entity Framework, Angular CLI)

- Developed a company-internal web app for managing employee leave and vehicle tracking using .NET 8, Angular, and N-tier architecture.
- Implemented CQRS and AOP in a layered architecture to separate concerns and improve code maintainability.
- Ensured scalability and code quality by applying SOLID principles and Clean Architecture.
- Handled database operations via Entity Framework, including migrations and complex LINQ queries.

### Mechanical Engineering

**Mar 2024 – Present**

Yeter Makina, Project Engineer & Consultant (Remote), Ankara

**Jan 2022 – Mar 2024**

Yeter Makina, R&D Design Engineer, Ankara

**Nov 2020 – Jan 2022**

Hidrotim Defense, R&D Design Engineer, Ankara

**Nov 2019 – Aug 2020**

Mitaş Endüstri, Technical Sales Engineer, Ankara

## COURSES

**Siliconmade Academy – Siliconhead Program (62 weeks, 650 hours)**

<b>Nov 2024 – Feb 2025</b>	360° Leadership Software Expertise 16 Weeks	Design Thinking, Service Design, Business Analysis, User Experience, Software Testing and Quality, Test Automation, Project Management, Agile Methodology
<b>May - Nov 2024</b>	Frontend - Mobile Development 18 Weeks	React, useState, useEffect, React Router, Redux, Firebase, Tailwind, React Native, Expo, Typescript, ExpressJS, Push Notification, Testing
<b>Dec 2023 - Mar 2024</b>	Full Stack Development 20 Weeks	Bootstrap, Git, GitHub, Asp.Net Core MVC, Web API, SQL, N Layered Architecture, Database Management, EF, JWT Authentication, RESTful API, CORS, Swagger, CRUD Operations, Session & Cookie Management
<b>Aug - Oct 2023</b>	Basic Programming 8 Weeks	HTML, CSS, XML, JSON, LINQ, OOP

## CONTACT

- ✉ c.kerem.albayrak@gmail.com
- ☎ +90 537 615 21 37
- 📍 Ankara
- 🐙 [github.com/kerem-alba](https://github.com/kerem-alba)
- 🌐 [linkedin.com/kerem-albayrak-me](https://linkedin.com/kerem-albayrak-me)
- 🌐 [kerem-alba.github.io/personal-site](https://kerem-alba.github.io/personal-site)

## TECHNICAL SKILLS

- **Languages & Frameworks**  
HTML5, CSS3, JavaScript (ES6+), C#, TypeScript, Python, MATLAB
- **Frontend Development**  
React, React Native, Expo, Angular, Bootstrap, Tailwind
- **Backend Development**  
Node.js, .NET (7/8), Flask, Firebase
- **Database**  
MS SQL, PostgreSQL, Azure SQL, SQLite, Firestore
- **Version Control**  
Git, GitHub

## LANGUAGE

### English

- Advanced reading, writing, speaking
- English Course (150 hours)  
EC New York Language School  
NYC, USA (June-Aug 2013)

## EXAMS

- ALES 2020 Score : 89/100
- YDS 2020 Score : 88/100

## PERSONAL INFO

- Date of Birth : 07.10.1992, Sinop
- Drivers License : A-2 / B
- Martial Status : Married