

# Kerem Çimentepe

Computer Engineering Student · C# / ASP.NET Core & React

✉ cimentepekerem@gmail.com    📍 Ankara/Türkiye    🔗 linkedin.com/in/kerem-cimentepe  
🐙 github.com/Keremcimentepe    🌐 keremcimentepe.com

## PROFILE

Computer Engineering student at Gazi University (GPA 3.24/4.00) focused on backend development with C# and ASP.NET Core. I build applications end to end — REST API, PostgreSQL database and React interface — add authentication, automated tests and Docker packaging, and deploy them to a live server. Looking for a .NET / full-stack software engineering internship.

## PROJECTS

- TaskFlow — Task Board (Mini Trello), C#, ASP.NET Core, Entity Framework Core, PostgreSQL, React, TypeScript, Docker**
- Built the REST API with ASP.NET Core Minimal API and EF Core on PostgreSQL: projects and tasks, FluentValidation request validation, a service layer, global error handling that returns ProblemDetails, and rate limiting on login.
  - Implemented JWT authentication with PBKDF2 password hashing and per-user data isolation (other users' records return 404), and a React 19 + TypeScript interface with a three-column drag-and-drop board and optimistic updates that roll back if the server rejects them.
  - Wrote automated tests at three levels: xUnit integration tests with WebApplicationFactory, Vitest + React Testing Library component tests, and Playwright end-to-end tests.
  - Packaged the app with Docker Compose and deployed it to an Oracle Cloud Ubuntu (ARM) server behind Caddy with automatic HTTPS and nightly database backups.
- RentGo — Car Rental Platform, ASP.NET Core MVC, C#, PostgreSQL, Razor**
- Implemented a car rental platform with role-based administrative permissions and access control.
  - Kept data access and business logic decoupled with repository layers and DTOs; built the server-rendered UI with Razor.
- Inventory & Production Management System, Java, Spring Boot, PostgreSQL**
- Built a system that combines warehouse inventory tracking, production workflows and employee records in one application.
  - Designed the RESTful services in Spring Boot on top of a normalized PostgreSQL schema.
- Other projects, Python**
- Warehouse route optimization: benchmarked A\*, K-Nearest Neighbors and Simulated Annealing for pick-route planning.
  - AI audio pipeline: chained voice cloning, sentiment analysis and accent conversion models into one workflow.

## EDUCATION

**B.S. in Computer Engineering, Gazi University** 09/2023 – Present  
GPA: 3.24 / 4.00 | Ankara, Türkiye  
**Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming

## TECHNICAL SKILLS

|                                                                                                                                           |                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Backend (.NET):</b><br>ASP.NET Core (Minimal API, MVC), Entity Framework Core, FluentValidation, REST API design, Swagger/OpenAPI, JWT | <b>Programming Languages:</b><br>C#, SQL, TypeScript, Java, Python, C/C++ |
| <b>Tools:</b><br>Git, Linux, Firebase, Android Studio                                                                                     | <b>Testing:</b><br>xUnit, Vitest, React Testing Library, Playwright       |
| <b>DevOps &amp; Databases:</b><br>Docker, Docker Compose, PostgreSQL, Linux server deployment (Oracle Cloud), Caddy                       | <b>Other frameworks:</b><br>React, Spring Boot                            |

## LANGUAGES

| English                                       | Turkish (Native) |
|-----------------------------------------------|------------------|
| Professional working proficiency (YDS: 81.25) |                  |