UMUT TANRIVERDİ

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SUMMARY

I am a third-year computer engineering student with a strong drive for success. I am actively improving myself in backend development and machine learning. I have experience in data analysis, data cleaning, and training models using various algorithms. I can also deploy trained models using FastAPI and Docker.
In backend development, I use .NET Core and focus on learning tools and architectures with C#, a language I enjoy working with. I believe that mastering these concepts will make it easier to adapt to other languages in the future.
I enjoy learning new technologies and solving challenging problems. I am currently seeking a backend development internship, especially in .NET, to enhance my skills and gain real-world experience.

PROJECTS

MOVIE RATING DESKTOP APP C# PostgreSQL

- Developed a Windows Forms app using C# where users could browse and view detailed information about movies.
- Implemented a rating system that allowed only verified premium users to rate the movies, while all users could view them.
- Focused on delivering a sleek and user-friendly interface, enhancing the overall user experience.
- Used object-oriented programming principles to manage user roles, movie details, and ratings effectively.

BLOG - PORTFOLIO WEB SITE ASP .NET HTML - CSS Javascript Sqlite

- Developed a multi-user blogging platform using ASP.NET MVC, allowing approved bloggers to publish and manage blog posts.
- Designed an admin interface for user and content management.
- Implemented role-based authorization, where only approved bloggers can post content.
- Ensured a responsive and user-friendly design.
- Worked with relational databases to manage users, blog posts and tags.

BARISTASHOP E-COMMERCE WEB SITE ASP .NET Microservices Docker Ocelot Gateway IdentityServer4

- It is an e-commerce platform specializing in barista equipment. It is built by using a microservice architecture to ensure scalability and flexibility. Consists of 8 independent services (user, catalog, order, etc.), each with its own architecture and database (Redis, MSSQL, PostgreSQL, MongoDB) based on service requirements.
- Each service has its own architecture.
  - Applied N-Tier and Onion architectures across different services to ensure maintainability and separation of concerns.
  - Leveraged CQRS with MediatR in relevant services to separate read/write operations and improve scalability.
- Ocelot API Gateway is used to manage inter-service communication
- IdentityServer4 provides secure authentication and role-based authorization

MESAJX RabbitMQ SignalR ASP .NET React Microservices DuendeIdentityServer YARP Gateway

- Developed a real-time chatting application enabling users to create groups and communicate with friends, built using a microservices architecture for scalability and flexibility.
- Implemented three independent services: User, Chat, and Sync, each handling specific functionalities.
- Utilized dual databases in the Chat Service:
  - Redis for temporary message storage (1-day TTL) and group membership for fast access control.
  - PostgreSQL for persistent message storage.
- Designed an event-driven system using RabbitMQ: MessageCreatedEvent is published by Chat Service and consumed by Sync Service for Redis-to-PostgreSQL replication.
- Integrated SignalR to enable real-time conversation updates, ensuring a seamless user experience.
- Implemented Duende IdentityServer to provide secure authentication and authorization on the server side.
- Frontend developed with React and TypeScript for a modern and type-safe user experience.

DEPRESSION RISK GUESSING FastAPI Docker ASP .NET Python

- A dataset used in a competition was cleaned and preprocessed during the data preparation stage. After applying various data processing techniques, a refined dataset was obtained and used to train a model.
- To enable predictions using the trained model, an API was developed with FastAPI.
- On the web side, .NET was used to interact with this API, allowing users to make requests and receive predictions.

CERTIFICATES

- CCNAv7: Introduction to Networks
- ASP.NET Core 8.0 Advanced Web Development
- ASP.NET Core MultiShop Microservices E-Commerce

LANGUAGES

- English B2
- Turkish native

EDUCATION

Izmir Bakırçay University
English Prep Class
1 Year Program
09/21 - 06/22
AVG: 93

Izmir Bakırçay University
Computer Engineering
Bachealor Program
09/22 - 06/26
GPA:3.47