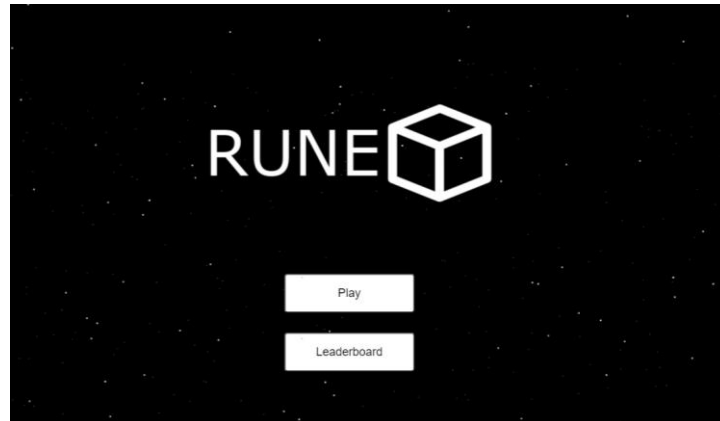# Projects

Rune Cube

Role: Software developer

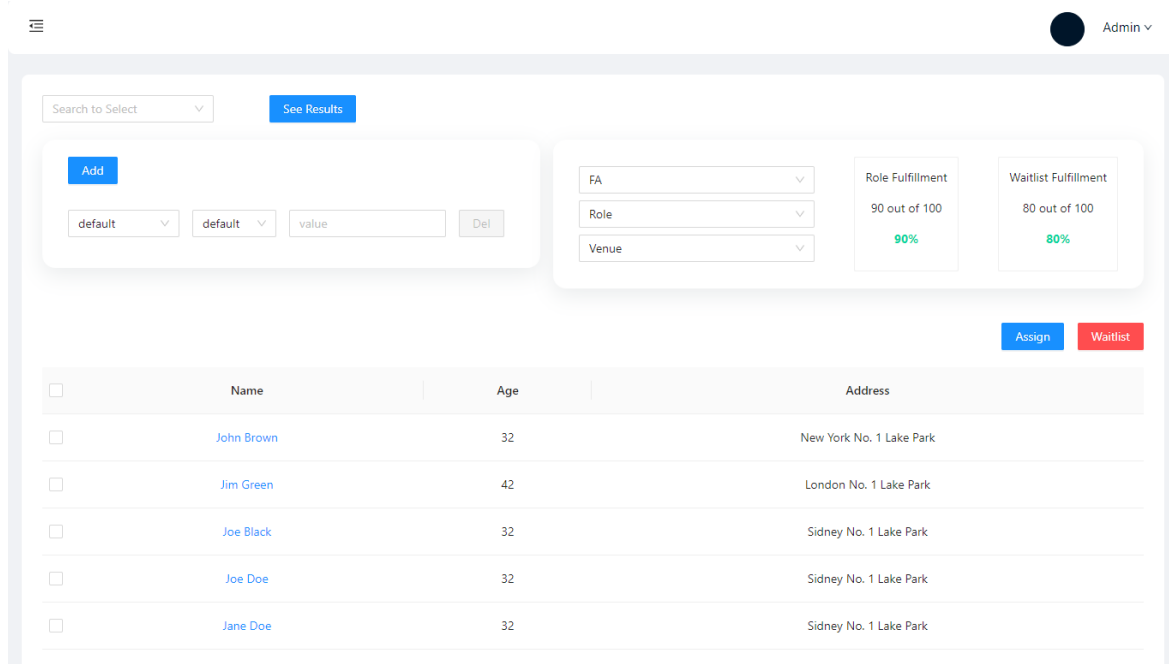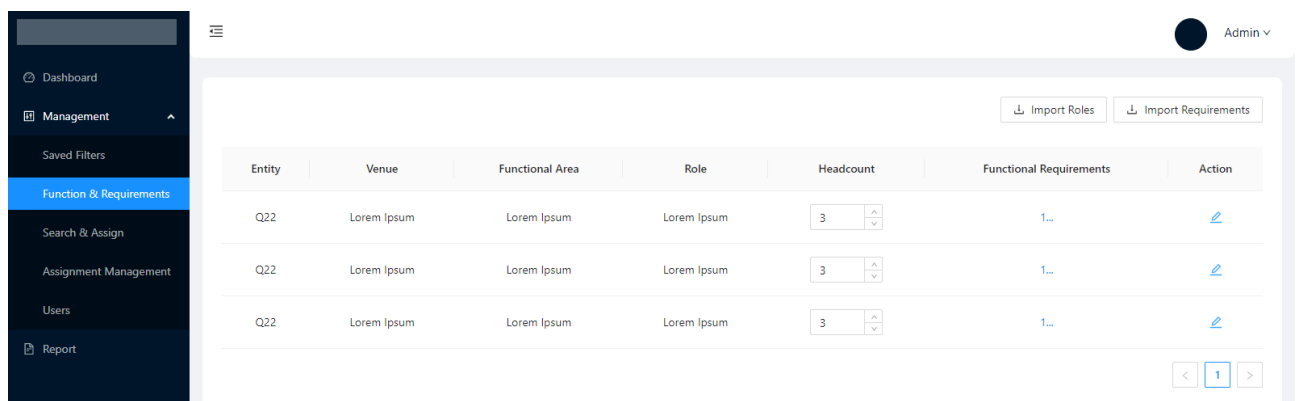**Technology:** C#, ASP.Net Core, EntityFramework Core, Python socket.io, PostgreSQL

Description: The project is a web AR (augmented reality) app and it is in the testing process. This is a game where there are 2 players: solver and explorer. On the solver's device there is a cube displayed, and on one of the sides of the cube (implemented randomly) there is a hint about the figure that the explorer on his device has to find. The hint includes figure type (whether it is circle or box), figure color, and count (how many figures have to be found to get to the next stage). The goal of the project is to provide an active game for the people that want to play

together and communicate in an intense situation where each player depends on each other.

Responsibilities: Develop the back-end side of the app and I deal with the deployment of the project. Also at the beginning of each game there is always a different random story given to the players. I also implement this story generator with the help of GPT-3 (OpenAI's autoregressive language model that uses deep learning to produce human-like text)

Volunteer Assignment Platform

Role: Backend developer

Entity	Venue	Functional Area	Role	Headcount	Functional Requirements	Action
Q22	Lorem Ipsum	Lorem Ipsum	Lorem Ipsum	3	1...	✎
Q22	Lorem Ipsum	Lorem Ipsum	Lorem Ipsum	3	1...	✎
Q22	Lorem Ipsum	Lorem Ipsum	Lorem Ipsum	3	1...	✎

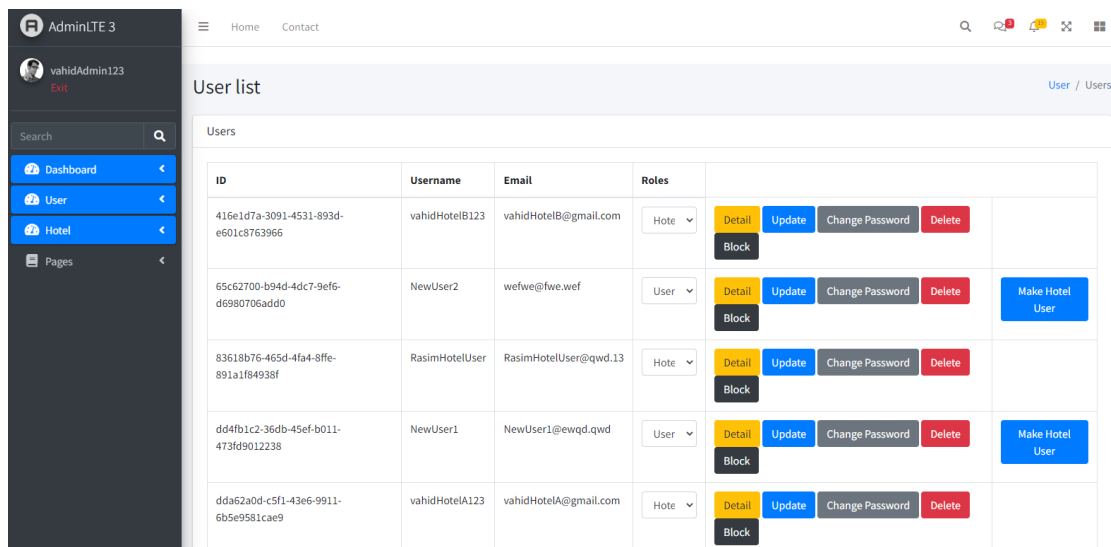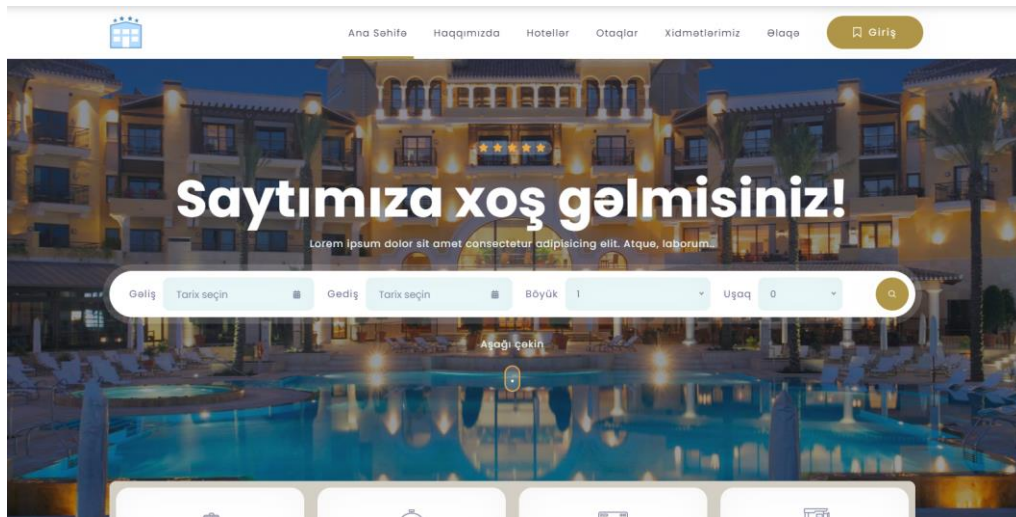**Technology:** C#, ASP.NET Core, Entity Framework Core, React, Python FastAPI, PostgreSQL

Description: The Aramis VAP (volunteer assignment platform) is a web-based solution for processing all assignment procedures in an effective and quick as possible way. This gives the operational team's great opportunity to assess a huge amount of volunteers while reducing the amount of time and resources required for completing this task. The platform is designed to provide a centralized and user-friendly interface to assign functions and/or roles. By applying the best industry practices there will be no time wasted for completing the necessary workflow. Aramis platform provides a solution for managing all operational aspects during the volunteer assignment cycle.

Responsibilities: I built APIs that mainly deal with the assignment processes. There is integration with Rosterfy (Leading Staff and Volunteer Scheduling Software) where data exchange through AWS SNS occurs. I also developed the needed endpoints for successful integration. In addition, I built an independent service that mainly focuses on authorization. Finally, the backend of the platform is split into microservices which are deployed in Azure Kubernetes cluster.

SmarterHotels

Role: Full-stack developer

Technology: C#, ASP.NET Core, Entity Framework Core, HTML, CSS, AJAX, JavaScript, MSSQL

Description: The app is a hotel management system. Tech stack is HTML, CSS, bootstrap, Javascript for the front-end, asp.net core MVC for the back-end side, database MSSQL. The goal was to create a system for hotel owners so that they can share their hotel pictures etc, and also to make it easy for customers to find the desirable hotel.

Responsibilities: built the entire back-end side of the app using asp.net core mvc (basic crud operations for the main website as well as for the admin page). Participating in the front-end side, writing code for ajax requests.

Other projects are under NDA.