ULAŞ ÖZTÜRK

Full Stack Developer

✉ ozulashe@gmail.com   📞 505 106 41 75   🐙 GitHub/ulasozturk   📍 Derince/KOCAELİ

Resume Objective

My interest in the web, which started with the frontend, continued with the backend. I started to be interested in mobile with React native. Full stack web development, including mobile, is a field that I enjoy working in a lot. I want to work on jobs that contain all or any part of this stack.

My biggest motivation in the jobs I want to work in is to improve myself. I want to work in jobs that will force me to learn new things and to solve problems. I want to use the latest frameworks and libraries, apply new methods, new techniques.

With this approach in my own projects, I always tried to learn and apply new things or things I didn't know yet. If I need to open the stack that I most prefer to work with and find very productive: browser frontend with React.js, mobile native frontend with React-Native, rest api with Node.js, NoSQL database with MongoDB. I also prefer to use structures built on this stack (Next.js, Nest.js, Expo). React is a must for me in frontend. I am also interested in the backend other than Node.js (.Net, Golang, Python). I prefer MongoDB because its document structure makes some work easier. I am also interested in SQL databases.

Education

University	Kocaeli University 2013-2022 Computer Engineering Bachelor Degree
High School	Cahit Elginkan Anadolu High School - Kocaeli

Language Knowledge

English	Sufficient for research and asynchronous communication.

Work Experience

(Internship) Lean Technology - Frontend Developer - Starting: 07/2019 - End: 08/2019

In this job, I developed frontend with React. I was involved in a project that has just started. I built a few pages and a few components. I fixed many bugs. I have given feedback. I have experienced working on the same project with more than one person. I first experienced the conflicts in git commits here. I experienced deployment with AWS.

Personal Projects

Audio Book App

A mobile application that provides book listening service. I am the only software developer on the project. In the project, the aim was to make an application that includes all the features in similar applications, as well as features suitable for our own needs. Audio stream and download are at the top of these features. HLS protocol is used for streaming. The mobile application was developed with React Native. Rest api was created with Node.js in the backend. A reverse-proxy server was set up with Nginx. File transfers are provided with nginx because it is fast. React.js and material-ui were used for the admin panel. A system with dual tokens (access and refresh) was developed for authentication. API requests are made with the access token created with JWT. Access token has a short expiry time. A new access token can be obtained by using the refresh token, which is given when logged in and kept in the database at the backend. Thanks to the Refresh token system, all sessions can be managed (the system used by Google and others).

Todo Lists App

An extended version of traditional todo apps. There is not just one todo list, there are multiple todo lists. Each todo list has its own todo. So there is a layered CRUD. The application can be used both by logging in as a user and as a guest user without logging in. First, a flow was developed in which the data is kept in the client's local database, considering that users may not want to log in and want to use the application quickly. Secondly, a flow was developed where the data is kept in the database on the server by logging in the users. The browser frontend was developed with React.js. The system developed in the audiobook application for authentication was also used in this project. The mobile native frontend was developed with React-Native. The backend is developed with Node.js. The backend runs on a free Heroku Dyno. Frontend runs on Vercel. The public repos of these projects can be seen on my github profile. The web page is available at https://todo-lists-web.vercel.app. You can find the mobile apk file at https://github.com/ulasozturk/todo-lists-mobile/releases.

School Projects

- Performing CRUD operations with a rest api and an android project.
- Performing CRUD operations on sql database with an mvc application made with Java.
- Developing a square puzzle game.
- YUV (raw image data) decoder and a player app.
- A project to find the inverse of a non-square matrix.
- Solving the shortest path problem using the A* (heuristic) algorithm.
- Solving the traveling salesman problem on the map of Turkey.
- Finding the unknown traffic density at an intersection with the Gauss-Jordan elimination method.
- Solving the diamond problem (multiple inheritance) with Java.
- Making projects developed in Java that solve a problem I've made up for each of all software design patterns.
- Making a vending machine's control panel with an embedded system.
- Making an mvc project with Yii 2 php framework.