Eray **Alkış**

FRONT-END DEVELOPMENT · BACK-END DEVELOPMENT

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"It always seems impossible until it's done."

Education

App Academy
Remote

FULL-STACK WEB DEVELOPMENT
Jan. 2021 - June 2021

- Rigorous 1000-hour full stack web development course.
- Teaches full-stack web development: Rails, SQL, JavaScript, React.JS, TDD, algorithms, design patterns, and programming best practices.
- Took additional classes on: Data Structures and Algorithms, MERN Stack, GraphQL.

The Odin Project
Remote

FULL-STACK WEB DEVELOPMENT
Feb. 2021 - Apr. 2021

- Self-paced web development course.
- Teaches full-stack web development: Rails, SQL, JavaScript, React.JS, Algorithms and programming best practices.

Muğla Sıtkı Koçman University
Muğla, Turkey

B.S. IN ENGLISH INTERPRETATION AND TRANSLATION
Oct. 2020 - June 2024

- Noteworthy courses: Introduction to Information Technologies, Introduction to Hardware and Software.

Projects

Media Sharing App
November 2021

SOLE DEVELOPER

- A web application to share and download songs.
- Refactored Rails code to avoid N+1 SQL queries, reducing home page load times by ~20% as a result.
- Enhanced infrastructure stability by integrating AWS S3 and refactoring database tables to use indices.
- Reduced database load by formulating a debouncing function for media queries.

ToyScrape
Nov. 2021, Jan. 2022 – Current

SOLE DEVELOPER

- A character gallery downloader app for the popular original content sharing site Toyhou.se
- Improved scalability and reduced webscraping times by ~20% through switching from JavaScript to a Rails API built from scratch.
- Refactored download function to remove nested loops, reducing zipping time for files from $O(n^2)$ to $O(n)$ as a result.
- Refactored web scraping logic, disabling JavaScript and images to maximize API speeds.

To-Do Tracking App
December 2021

SOLE DEVELOPER

- A web app that lets users create To-Do lists to track and re-order tasks.
- Implemented a function that makes an API call to the backend before the user leaves the tasks page to update their data.
- Refactored event handler function to use available data from own component, reducing space complexity from $O(n)$ to $O(1)$.

ReactPlay
April 2022

OPEN SOURCE CONTRIBUTOR

- ReactPlay is an Open Source web app that helps people learn React.JS faster with a hands-on practice model.
- Implemented dynamic meta tags that optimize the app for search engines and integrate Open Graph functionality.
- Introduced a pre-rendering script that generates a static HTML page for each route to optimize the app for search engines and to increase performance.

Work Experience

Self-Employed
Remote

SOFTWARE DEVELOPER, FREELANCE
Jun. 2021 - Current

- Introduced agile development practices to projects, enhancing development quality and speed as a result.
- Improved infrastructure scalability by utilizing STaaS(Storage as a Service) providers such as AWS S3.
- Introduced TDD(Test Driven Development) to projects and utilized Ruby/JavaScript best practices to reduce technical debt.
- Implemented several API microservices in Node.js and Rails.