R. Çağlayan Demirci

Software Engineer

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https://github.com/cademirci

Experience

Full stack developer (current project)
*Building a web application with AI named **HER** which analyzes psychiatric reactions of users and chats with them.* Developed a web application called HER, designed to analyze users' psychiatric reactions and engage in therapeutic conversations. The goal was to create an AI-powered platform to assist users in managing their mental health more effectively. We started by conducting research on user behavior and psychiatric conditions to ensure the app's AI could respond accurately. Then, using OpenAI for response generating and Next.js for the front-end to personalized interaction. Finally, the application is optimizing for scalability and security to handle sensitive user data efficiently. - ***Next.JS, OpenAI***

Full stack developer
Built a website with SEO structure for a bariatric surgeon. I built a website for the doctor's practice that provides a seamless experience both on web and mobile, instills trust in patients looking for information, and allows them to easily find what they need on an SEO-friendly platform. To achieve this, we first worked on the design, then developed the content, and finally, I implemented the backend and frontend using Next.JS and pure CSS. - ***Next.JS***
https://www.docdrekenhuseyin.com/

Intern
Full stack developer at CRAFX, Ankara - *Developed an open-world map application for the company to help users locate and mark electric vehicle charging stations*. The aim was to create a user-friendly platform where users could easily share and access information about charging stations in Türkiye. I began by designing a seamless mapping interface using JavaScript library Leaflet.js, ensuring it was intuitive for users to interact with. For the back-end, I implemented a real-time data system using Python's Django framework and PostgreSQL to handle user input, allowing them to place pins and provide station details. - ***Django, PostgreSQL***, ***Leaflet.JS, JavaScript***.

Software Skills

Web Development
My strongest sides are using JavaScript frameworks such as Next.JS, React.JS and Node.JS. While I am familiar with CSS libraries like Tailwind, I can also create efficient projects using pure CSS class structures.
Node.js, Vue.js, Next.js, Django, Flask, Jekyll, HTML, CSS, JavaScript, Python

General Programming and Building
I feel relaxed while I am using Python and Java to implement a program with a general purpose. I work on my projects on GitHub, also I can easily create content with Markdown.
Java, Python, JavaScript, C, Git, Markdown

Education

B.Sc. in **Software Engineering**
Atılım University, 2023
B.Sc. in **Computer Engineering**
TOBB University of Economics and Technology (drop out), 2021
Ankara Atatürk Anadolu Lisesi (High School)

Extracurricular Activities

Chairman in the university rock music community (TOBB ETÜ)
Program Host in the university radio (TOBB ETÜ)

Frontend developer

*Worked as a team member in a social media tracking project named **Infdex** that tracks around 100,000 accounts in real-time and provides analytics for marketing firms.* My work was pixel perfect implementing user pages with many dynamic data. - ***React.JS, Tailwind***

Frontend developer

*Worked as a team member in an education platform similar to Udemy named **Bukurs***. I implemented user pages, also I worked with JSON in order to ensure that the website, which offers different language options, maintained its user-friendly functionality even when users changed the language setting. - ***Vue.JS***

Projects

Built a personal website for a consultant psychologist as a full stack developer. That project was to practice building websites, it has not been a business. - ***Next.JS*** https://next-note-tawny.vercel.app/

At the university, I developed a Quadtree data structure in order to analyze PPM format images by dividing them into four in every step and reaching each pixel efficiently. Then I was able to apply image manipulation effects such as invert colors, monochromatic or edge-detecting. https://github.com/cademirci/quadtree-ppm-java

Language

Turkish Native
English Fluent
German Beginner - Intermediate (TOBB ETÜ second foreign language in a 4 semester process)