europass

Ahmet Kayhan Çetinkaya

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ABOUT MYSELF

As a computer engineer with a strong analytical mindset and a passion for technology, I have extensive experience in software projects in various languages. Working in both frontend and backend domains, I have developed a deep understanding of different aspects of the software development process. I am eager to continuously improve myself and adapt to new technologies, consistently bringing a fresh perspective to each project and demonstrating a solution-oriented approach.
Thanks to my advanced communication and collaboration skills, I have effectively contributed to and successfully completed teamwork in complex projects. My skills in debugging and problem-solving serve as a solid foundation for overcoming challenges and encourage me to find better solutions at every step.

EDUCATION AND TRAINING

12/07/2015 – 29/12/2021 Bilecik, Turkey
COMPUTER ENGINEERING Bilecik Şeyh Edebali University

Address 11000, Bilecik, Turkey | **Website** https://www.bilecik.edu.tr/

15/09/2017 – 13/07/2020 Eskişehir, Turkey
MEDIA AND COMMUNICATION SPECIALIZATION Anadolu University

Website https://www.anadolu.edu.tr/acikogretim

04/10/2021 – 02/11/2021 Eskişehir, Turkey
SOFTWARE INTERNSHIP Mergen Software

I created scripts to create new tables for logging on existing tables in the Oracle database. I developed these scripts in two different languages: Java and Python. While developing these scripts, I used the PL/SQL query language to write certain database queries. Additionally, I conducted work to improve my skills in Spring Boot and Hibernate.

04/08/2020 – 02/09/2020 Karabük, Türkiye, Turkey
NETWORK MANAGEMENT INTERNSHIP Karabük University

I learned basic network devices and basic cmd commands. I also learned how and with what algorithm IP addresses are created.

Address 78100, Karabük, Türkiye, Turkey

WORK EXPERIENCE

02/01/2024 – CURRENT Remote, Turkey
FREELANCE SOFTWARE DEVELOPER FREELANCE

I am designing the frontend for a project that utilizes artificial intelligence for various image, video, and text processing tasks.

- using Vue3 and Vite.
- using Tailwind CSS classes for styling.
- also using PrimeVue for some components.

I developed a desktop application using Python for a diagnostic center.

In the application, I implemented features for performing calculations and printing reports as hard copies using a printer.

06/03/2023 – 28/12/2023 Ankara, Turkey

FRONTEND DEVELOPER İNTERPROBE

I have been involved in 4 projects at Interprobe in Ankara, Turkey:

1. Project Outsourced with Türk Telekom (Vue 2 + JavaScript + Bootstrap + PrimeVue)
2. Project Outsourced with Türk Telekom (Vue 2 + JavaScript + Tailwind CSS)
3. In-house Project (Vue 2 + JavaScript + Bootstrap)
4. In-house Project (ReactJS + TypeScript + PrimeReact + Tailwind)

I actively participated in the internal project using ReactJS and TypeScript, which provided me with the opportunity to learn ReactJS practically. While working with VueJS, I improved myself by using new features. With PrimeVue, I avoided using unwanted features and utilized VueJS's own functions for more manipulation on the DOM. I converted a project built with VueJS 2 to Vue 3. Lastly, I also delved into Docker.

04/01/2023 – 15/02/2023 Remote, Turkey

FREELANCE FRONTEND DEVELOPER FREELANCE

I worked on the frontend section of a project involving reverse engineering to collect data from mobile devices.

- I used the Google OAuth2 protocol for developing the application's user authentication system.
- I utilized Vuetify for the component section and Bootstrap for the CSS part.

11/01/2022 – 26/12/2022 Ankara, Turkey

FULL STACK DEVELOPER ARMA GROUP HOLDING

I am involved in advertising and email projects within the company. If I were to list the technologies I use:

For Advertising and Email Projects:

- VueJS 3
- Typescript
- JavaScript
- CSS/HTML
- Bootstrap

I translate designs provided via Figma into code, ensuring their accuracy and consistency within the firm.

Additionally, for the Weather Module:

I developed a bot in Python to fetch meteorological data. For this bot:

- I used Python to fetch weather data for all district centers in Turkey.
- With Selenium, I extracted coordinates of all district centers from Google Maps and wrote them into a JSON file.
- Using the coordinates from the JSON file, I wrote a bot to parse data from websites using the Webscraping method.
- For parsing the DOM, I utilized the "xPath" library. Also, to make concurrent requests, I used the "aiohttp" and "asyncio" libraries.
- I stored the retrieved weather data using the MySQL database. I also wrote a Trigger in MySQL to store new weather data in a new table when it arrives.

For the Advertising Project:

- I implemented authentication processes using the SSO system. During authentication, I ensured stable session management using Local Storage, Session Storage, and Cookies.
- Depending on the language preference received from the SSO system, I dynamically designed and made the site responsive.
- To find keywords for websites advertising, I developed a bot in Python and wrote a service in Node.js to send the found keywords to the frontend.

For the Email Project:

- I added authentication features similar to those in the advertising project.
- I designed a grid component for displaying mail items dynamically across different mail viewing pages.
- I integrated the backend service developed with Postfix and Dovecot infrastructure into the frontend.
- I established a dynamic folder structure allowing users to move mails to any folder they desire.
- I contributed to the development of backend and frontend endpoints by addressing errors or deficiencies.

LANGUAGE SKILLS

Mother tongue(s): **TURKISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DIGITAL SKILLS

Vue JS | Boostrtap | Git | Html-css | Linux | HTML | JavaFX | JavaScript | javascript | Node Js | Python | RESTful API | Java | Vite | Javascript (VueJS - ReactJS) | React Frame Work

PROJECTS

Alpha Bank

In this project, I developed a bank desktop application with Java Swing. Thanks to this application, I was able to perform transactions such as money transfer and bill payment between users. I used Mysql database to keep users' account information.

Link https://github.com/ahmetkayhancetinkaya/AlphaBank

Parking Turnstile

In this project, I developed a hardware that will monitor the entry and exit of vehicles into parking lots. In this hardware, I used **Arduino Uno microprocessor card, servo motor, RFID card and distance sensor**. I connected the devices I used to the Arduino card and coded them with the help of **C++** language.

Link https://github.com/ahmetkayhancetinkaya/Car-Park-Turnstiles

Neredesin Bakalım Mobile App

In this project, my goal was to develop an application where users can share their locations on a map. I developed this application using the **Google Firebase platform's NoSQL database and Java language within the Android Studio IDE.**
Here is how the application works:

1. First, I registered users in the Firebase database.
2. I retrieved the coordinates of users' GPS locations at intervals of every 10 minutes and stored them in the database.
3. Using the Google Maps API, I displayed these coordinates on the map interface.

This approach allowed users to share their real-time locations with each other through the application.

Link https://github.com/ahmetkayhancetinkaya/Neredesin-Bakalim-App

Plate Recognition System

In this project, I developed a system that identifies license plates on vehicles using image processing algorithms. I implemented this system using the **Python programming language and OpenCV 3.3 (an open-source computer vision library).**
Here's an overview of the process:

1. **Image Acquisition**: The system captures images containing vehicles, usually from a camera feed.
2. **Preprocessing**: Preprocessing steps such as resizing, noise reduction, and contrast enhancement may be applied to the images to improve plate detection accuracy.
3. **License Plate Detection**: Using OpenCV's image processing capabilities, the system identifies regions of interest (ROIs) within the images that may contain license plates. This step often involves techniques such as edge detection, contour detection, and morphological operations.
4. **Character Segmentation**: Once potential license plate regions are detected, the characters on the plate need to be segmented from the background. Techniques such as thresholding, connected component analysis, and contour analysis may be used for character segmentation.
5. **Character Recognition**: Finally, the segmented characters are recognized using optical character recognition (OCR) techniques. This step involves training machine learning models or using pre-trained models to recognize characters accurately.

By combining Python and OpenCV, the system can efficiently process images, detect license plates, segment characters, and recognize text, providing a comprehensive solution for license plate recognition.

Link https://github.com/ahmetkayhancetinkaya/Plate-Recognition-System

HONOURS AND AWARDS

VueJs Certificate – BTK Academy

Advanced Java Certificate – BTK Academy

CSS Fundamentals Certificate – BTK Academy

Visual and Object Oriented Programming with C# Form 101 – Türkcell Geleceği Yazanlar

Algorithm and Programming 101 with C# – Türkcell Geleceği Yazanlar

Developing Young Innovative Entrepreneurial Leaders in STE(A)M Fields in Eastern Marmara Region – Sakarya Esnaf ve Sanatkarlar Odası

Python 101 – Turkcell Geleceği Yazanlar