



Serhat Barış Aydın

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Summary

Motivated and detail-oriented computer engineer with hands-on experience in both frontend and backend development. Curious by nature, I enjoy learning new technologies, solving real-world problems, and building clean, user-focused digital products. I thrive in team environments and take initiative to continuously improve myself and the projects I work on.

Education

Istanbul University - Cerrahpasa, Computer Engineering

Sept 2020 – July 2025

- **Coursework:** Computer Architecture, Software Testing and Quality, Operating Systems, Database Management Systems, Cloud Computing Applications, Data Structures, Object Oriented Programming

Experience

Frontend Developer Intern, TAV TECHNOLOGIES – Istanbul

Aug 2024 – Sep 2024

- I developed and optimized reusable Vue.js components, which significantly improved application scalability and maintainability.
- I gained valuable experience in Vuex state management, ensuring efficient data handling across various components.
- My work also involved API integration, enhancing real-time data processing within web applications, and a strong focus on performance optimization, successfully reducing page load times and improving overall responsiveness.

Frontend Developer Intern, RAVEN TECHNOLOGY – Istanbul

Feb 2024 – June 2024

- I actively contributed to the full lifecycle development of modern, responsive UI components using core web Technologies including JavaScript, HTML, and CSS.
- My responsibilities included implementing robust state management solutions, which ensured seamless and efficient data flow across various application components.
- Furthermore, I closely collaborated with backend developers to optimize API consumption, directly enhancing overall UI performance and responsiveness.

Backend Developer Intern, RAVEN TECHNOLOGY – Istanbul

July 2023 – Sep 2023

- I developed and optimized RESTful APIs to enhance data communication between frontend and backend systems.
- I worked extensively with database management, including MongoDB, to ensure efficient data storage and retrieval.
- My role involved close collaboration with frontend developers to integrate these APIs, which significantly improved overall application performance.
- Through this experience, I strengthened my debugging and problem-solving skills by effectively resolving various backend-related issues that impacted the user interface.

Skills

Technical Skills: JavaScript, Java, HTML5, CSS3, RESTful APIs, Git

Frameworks: ReactJS, Vue.js, Spring Boot, Redux, Zustand, Vuex, Tailwind CSS

Tools and Platforms: Firebase, GitHub, Trello, Postman, VS Code, Android Emulator, CLI

Databases: MySQL, MongoDB, Firebase (Firestore)

Currently Learning: Oracle SQL Server, React Native (Advanced Features)

Soft Skills: Problem solving, Analytical thinking, Teamwork, Communication, Time management, Adaptability, Agile, Scrum

Languages: Turkish (native), English (professional)

Certificates

HUAWEI CLOUD DEVELOPER CERTIFICATION

Dec 2023

HCCDA - TECH ESSENTIAL

Certificate ID: HWDCTEDA000108

CODERSPACE FRONT-END SCHOOL

Nov 2024

Web Development

Certificate ID: c12ca31b-6e75-4d47-9ded-9226be09ec30 ([Certificate](#))

Projects

Bank Automation System

[Github](#)

- Developed a Java-based banking automation system with object-oriented design principles. Implemented authentication, fund transfer, and transaction history features.
- Tools Used: Java, OOP, MySQL, Git

Airport Companion Mobile App

[Github](#)

- Developed a mobile application to enhance the airport experience for travelers. The app provides indoor navigation for finding the shortest route within the terminal, an AI-powered chatbot for quick access to flight and service information
- Tools Used: React Native, Redux, Firebase, JavaScript, YOLOv5 (Object Detection), Git