Aytaç Serçe

Frontend Engineer

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Summary

Frontend Engineer passionate about building fast, accessible, and elegant web applications using React, Next.js, and Tailwind CSS. Holds a degree in engineering with strong analytical and problem-solving skills. Previously served as an instructor and officer — experiences that strengthened discipline, teamwork, and attention to detail. Currently based in Istanbul, developing modern, high-performance interfaces for web platforms.

Experience

- Frontend Developer — Zebra Electronics (2023 – 2025)

• Maintained and enhanced enterprise web apps (CSMS/CMP) built with Angular and TypeScript.
• Added new modules, optimized performance, and improved responsive layouts.
• Developed an Admin Dashboard with React, Material UI, and Firebase.
• Implemented dashboards, live log panels, and firmware update workflows.

- Frontend Developer — Freelance (2022 – 2023)

• Designed and developed responsive, SEO-friendly websites using Next.js, Tailwind CSS, and JavaScript.
• Delivered projects for organic farming, construction, and sportswear companies.
• Customized UI/UX and integrated CMS solutions based on client needs.

- English Teacher — American Language & Literature Schools (2021 – 2022)

• Promoted to Coordinator within five months.
• Contributed to digitalization of lesson materials and planning.
• Strengthened communication, presentation, and organization skills.

- Officer / Instructor — National Defence University (2010 – 2021)

• Graduated top of class, later appointed instructor.
• Taught avionics courses to international trainees.
• Contributed to aircraft UI/UX and avionics test development projects.

Education

- Anadolu University — BSc, Management Information Systems | 2023 – present
- Patika.dev — Angular Practicum & Bootcamp Acceleration Program | 2022 – 2023
- Self-Taught Learning — Frontend Development Track | 2021 – 2023
- National Defence University — BSc, Electronics Engineering | 2006 – 2010

Certificates

- Core Java, Java OOP & Spring — Udemy, 2025
- Node.js, Express, MongoDB — Udemy, 2024
- Ultimate React Course (React / Next.js / Redux) — Udemy, 2023
- Advanced CSS & SASS — Udemy, 2023
- JavaScript Essentials — Udemy, 2022
- Patika.dev Angular Practicum — Patika.dev, 2022
- Git & GitHub Version Control — BTK, 2022
- Website Usability — BTK, 2022

Projects

- Construction Approval System — React, Redux, Material UI, Tailwind, Charts.js, PDF Export

Enterprise app for a construction firm with multi-tab forms (~100 fields), live calculations, and automatic PDF reports for government submission. All computations handled on the frontend; backend stores project data only.

- EV Charging Management Platform — React, Angular, Redux, Bootstrap, Firebase, WebSocket, Swagger

Suite of three interconnected apps (Admin, CMP, CSMS). Built real-time dashboards, firmware update tools, and a live WebSocket log terminal. Integrated hundreds of backend endpoints generated via Swagger from Java APIs.

- Nature Balance Guide — HTML5, CSS3, JavaScript

Informational website about ecological balance and sustainability.

- WBOC Sports — HTML5, SASS, JavaScript

Promotional site for a sportswear brand with product catalog and contact form.

Skills

Frontend: React / Next.js, Angular, Redux, TypeScript, Tailwind CSS, Material UI, Bootstrap
Backend & DB: Node.js, Firebase, Firestore, MongoDB, REST APIs
Tools: Git, VS Code, Swagger, Figma, Postman
Other: UI/UX Design, Responsive Layouts, PDF Exports, Real-time Data