

YUSUF KAYA

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SUMMARY

Software Engineer focused on Agentic AI and DevOps pipelines. Experienced in designing software architectures for defense systems and deploying cloud-based applications. Skilled in integrating AWS infrastructure with full-stack technologies to deliver resilient, end-to-end technical solutions.

SKILLS

Agentic Ai Developer ,Software Architecture & Process Management, Linux, Git/Github,Data Structures and Algorithms,Aws Systems

EXPERIENCE

Software Team Member – Defense Industry Qualified Engineers Community / Oct 2023 – Oct 2025

- Teknofest Unmanned Surface Vehicle “Mavi Vatan” Finalist
- Developed user interfaces for Teknofest Air Defense Systems, Unmanned Surface Vehicle (USV), and Combat UAV projects.
- Designed and implemented software architecture for air defense systems.
- Trained computer vision models and set up simulation environments for the Combat UAV project.
- Defined underwater system missions, implemented algorithms for mission execution, and developed functional system code integrating sensor fusion.

Intern - Andromeda LLC Company / Aug 2025

- Developed a web project using HTML, CSS, Bootstrap, and JavaScript.

PROJECTS

Agentic AI Control Dashboard: Developed a comprehensive management dashboard serving as a centralized control plane for autonomous AI agents. The platform enables administrators to seamlessly assign specialized skills to various AI models, track real-time task execution, and monitor system observability. This project established a scalable infrastructure for orchestrating complex, multi-agent workflows

Erasmus Connect Platform : Developed a cross-platform social network for exchange students featuring a Next.js web platform and a React Native mobile app. Architected a scalable Node.js/Express backend with MongoDB and Redis. Integrated Socket.io for real-time notifications, Leaflet for interactive travel maps, and Supabase for secure media management – erasmusconnect.net

Portfolio Website : As part of a university project, I developed a portfolio-blog website built with the Next.js 14 framework, utilizing TypeScript for type safety and Tailwind CSS for a responsive, modern design. The website serves as a platform to showcase my projects and offers personalized one-page tools for users- portfolio-sitesi.onrender.com

Cloud-Based Web Project - Developed an automated image resizing system using AWS services.

EDUCATION

Riga Technical University (RTU) — Erasmus Exchange Program | 2026 – Present
Firat University — Bachelor's Degree in Software Engineering | 2023 – Present

LANGUAGES

English (B2+ Professional), Turkish (Native)