Hakkı Günal

Physics Student & Fullstack Developer

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Summary

Physics student at Marmara University using analytical thinking to develop scalable and user friendly software. Experienced in **full-stack development** and **process automation** with a focus on modern frameworks like **Next.js** and **FastAPI**. Proven leadership as a Project Leader at ESN Türkiye coordinating development teams for international student mobility platforms.

Education

B.Sc. in Physics, Marmara University   2024 – Present

Skills

Frontend: Next.js, React 19, TypeScript, Tailwind CSS 4, Vite,
Backend: Python, FastAPI, RESTful APIs, JWT
Databases & Infrastructure: PostgreSQL, MongoDB, Redis, SQLite, Docker, AWS (S3/EC2/ECS)
Analytical & Soft Skills: Mathematical Problem Solving, Error Analysis, LaTeX, Agile/Kanban

Community & Leadership

ESN Türkiye, Web Team Project Leader   2025 – Present
- Leading a team of 10 developers to build digital tools for Erasmus students using **trunk-based development**.
- Architected the **ESN GO** monorepo and coordinated the **Barriers of Mobility** research platform.
- Managed project workflows using **Agile/Kanban** to ensure consistent delivery of web features.

Projects

ESN GO   esn-go.vercel.app ↗   2026
- Led the development of a city discovery platform for international students using **Next.js 16** and **FastAPI**.
- Containerized the application with **Docker** for streamlined deployment and multi-team collaboration.

SoliClub Security Analysis   GitHub Repo ↗   2024
- Conducted a security analysis of a university payment system using **API interception** and reverse engineering.
- Facilitated a patch through responsible disclosure after identifying a critical server side validation flaw.

Hakkınızla Uçun   hakkinizlaucun.com ↗   2024
- Created an automation tool to find the cheapest short-term round-trip flights between Türkiye and Europe.
- Implemented system observability with **Prometheus** and **Grafana** to track search performance.

Languages

Turkish: Native   **English:** Full Professional Proficiency