

TOLGA İLERİ

Full-Stack Software Engineer | Product Engineer | Applied AI Developer

Ankara, Türkiye | tolgaileribusiness@outlook.com | [LinkedIn](#) | [GitHub](#) | [Medium](#) | [Hugging Face](#) | [tolgaileri.com](#)

PROFESSIONAL SUMMARY

Product-focused Full-Stack Software Engineer with 3+ years of experience building end-to-end, production-grade SaaS and enterprise software. I work across the frontend, backend, and data layers using React/Next.js, TypeScript, Python, and .NET, and integrate applied AI solutions — LLM integration, RAG, and OCR/vision — into real products. I built a platform used by press/media at the 2026 NATO Summit, an education platform with roughly 1,000 users, and a restaurant SaaS product used by 10 businesses.

CORE SKILLS

Languages: TypeScript, JavaScript, Python, C#, SQL

Frontend: React, Next.js, Tailwind CSS, Vite

Backend: ASP.NET Core, FastAPI, Express, REST APIs, Socket.io / WebSockets

Data: PostgreSQL, Microsoft SQL Server, Supabase, Prisma, Drizzle, Entity Framework Core, Dapper

Infrastructure: Docker, Linux, nginx, Git/GitHub, CI/CD

Applied AI: LLM Integration, RAG, OCR/Vision, Structured Outputs, AI-Powered Workflows

Product & Delivery: MVP Design, Agile/Scrum, Business Analysis (SRS, BPMN)

PROFESSIONAL EXPERIENCE

Intern — Presidency of the Republic of Türkiye Directorate of Communications

Feb 2026 – Present

Ankara, Türkiye · On-site

- Built 6 different enterprise software applications spanning internal operations, corporate communications, and public-facing digital platforms; shipped 2 systems to live production and rolled out the remaining platforms for internal use.
- Developed end-to-end workflows using Next.js, TypeScript, Python, PostgreSQL, and Microsoft SQL Server, contributing across frontend, backend, data, and operational functionality.
- Contributed to production systems used in high-visibility institutional contexts, translating operational requirements into usable software for internal and external users.

Founder & Software Engineer — Akivo

Jan 2026 – Present

Ankara, Türkiye · On-site · [Live: akivo.net](#)

- Founded and built Akivo, a production-grade restaurant operations SaaS product used by 10 restaurants. Owned the full process from architecture through production.
- Built QR menu, ordering, staff workflow, analytics, and campaign management features using React, TypeScript, Express, PostgreSQL, and Drizzle.
- Integrated production services including iyzi payment infrastructure, Supabase Auth/Storage, and AI APIs (Gemini, fal.ai).

Full-Stack Software Engineer — Freelance

Jan 2024 – Present

Ankara, Türkiye · Remote

- Delivered end-to-end MVPs and production web applications, from requirements gathering and business analysis (SRS, BPMN, user stories) through deployment.
- Built React dashboards and REST API integrations for SaaS and internal-tool clients.
- Ran Agile/Scrum-based delivery processes for cross-functional, remote client teams.

Product & Project Management Intern — Başarsoft

Jun 2025 – Jul 2025

Ankara, Türkiye · On-site

Intern — Fab Technologies Inc.

Jan 2026 – Feb 2026

Ankara, Türkiye · Remote

IT Intern — Social Office

Sep 2025 – Oct 2025

Türkiye · Remote

Project Management Intern — Sca Social

Jun 2025 – Jul 2025

Ankara, Türkiye · Hybrid

Finance Intern — QNB Finansbank

Jan 2024 – Feb 2024

Türkiye · Remote

SELECTED PROJECTS

2026 NATO Summit — Global Media & VIP Guest Access Platform

2026

TypeScript, Next.js, PostgreSQL, Prisma, Python

- Built and deployed a corporate media and guest access platform for the 2026 NATO Summit held in Ankara.
- Delivered registration, accreditation, and QR-based access workflows used by press/media attendees in a live international event environment.

ZihinLAB — AI-Powered Education Platform 2026

Founder & Software Engineer · [Live: zihinlab.org](https://live.zihinlab.org) · Next.js, TypeScript, PostgreSQL, Supabase, DeepSeek, Gemini

- Founded and built a live AI-powered K-12 / university-entrance-exam (YKS) education platform serving roughly 1,000 users across student, teacher, parent, school, and administrator roles.
- Built the platform end-to-end; integrated DeepSeek reasoning workflows and Gemini OCR/vision for image/PDF question understanding.

Enterprise IP Communications & Operations Platform 2026

TypeScript, Next.js, Python

- Built an internal communications operations platform integrating enterprise IP telephony workflows, call data, device management, and operational dashboards.
- Added AI-powered operational workflows while keeping core system functionality independent of any LLM dependency.

QueueFlow — Real-Time Queue Management SaaS 2026

Code: github.com/tolga-ileri/Queue-Flow · Next.js, TypeScript, PostgreSQL, Prisma, Auth.js, Socket.io

- Built a real-time queue management product with branch/workspace management, QR-based customer check-in, and operator workflows.
- Implemented live queue synchronization between customer and operator interfaces using Socket.io.

AssetGuard — Enterprise IT Asset Management 2026

Code: github.com/tolga-ileri/AssetGuard · ASP.NET Core, C#, Microsoft SQL Server, Dapper

- Built a layered enterprise asset management system covering inventory, assignment, maintenance, and role-based management.
- Implemented SQL Server data access with Dapper and Excel/PDF operational reporting.

EDUCATION

B.Sc. Management Information Systems — Honors Sep 2022 – Jun 2026

Ankara Bilim University · GPA: 3.40 / 4.00

B.Sc. Industrial Engineering and Management Nov 2022 – Present

IU Internationale Hochschule

LICENSES & CERTIFICATIONS

Digital Counter-Intelligence Workshop — Directorate of Communications of the Presidency of the Republic of Türkiye · May 2026

Introduction to DevOps — IBM · Aug 2024

Introduction to Back-End Development — Meta · Aug 2024

Additional: School of Software and Technology Certificate (Coderspace) · English — B2 / Professional Working Proficiency (Speexx, PTE, BEDAF)

PROFILES & AVAILABILITY

GitHub: github.com/tolga-ileri LinkedIn: linkedin.com/in/tolgaileri Medium: [@ileritolga86](https://medium.com/@ileritolga86) Hugging Face: [tolgaileri](https://huggingface.co/tolgaileri) Website: tolgaileri.com

Open to remote contract, freelance, and product engineering opportunities across Türkiye, internationally, and via Upwork.