

TARIK DEVECI

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AI Product Engineer with a track record of shipping LLM-powered systems used by real clients. Co-founded and delivered an AI-powered municipal CRM platform serving 2 municipalities. Currently fine-tuning SAM3 with QLoRA for domain-specific object detection (graduation thesis). Experienced in taking AI products from architecture to deployment — not just integrating APIs, but designing the pipelines around them.

RESEARCH

Graduation Thesis: Fine-tuning SAM3 for Construction Site Object Detection

2025 – 2026

- Fine-tuning SAM3 (Segment Anything Model 3) on a domain-specific construction site dataset using QLoRA and LoRA via Hugging Face Transformers and PyTorch.
- Applying parameter-efficient fine-tuning (PEFT) to adapt the foundation model for detection of safety-critical objects — workers, equipment, and site hazards.

EDUCATION

B.Sc. Software Engineering — Bahçeşehir University

2022 – 2026

WORK EXPERIENCE

Software Engineering Intern, Hepsijet (Hepsiburada)

Jul – Aug 2025

- Implemented features across authentication, package creation, and package-tracking services in a Java Spring Boot microservices environment — contributing PRs weekly via pair programming with senior engineers.
- Operated within Docker infrastructure and Jenkins CI/CD pipelines; tracked deployment health via Datadog in Agile workflows.

Co-Founder & Lead Software Developer, MuniGo

Jul 2024 – Mar 2025

- Architected and delivered an AI-powered municipal call-center and CRM — a fine-tuned LLM pipeline that auto-routes complaints, tracks resolution, sends follow-up emails, and monitors KPIs across 2 municipalities, 20+ departments, 300+ complaint subcategories.
- Built on Django + PostgreSQL + GPT API; designed role-based dashboards, citizen records, and case-tracking modules — sole technical co-founder from zero to MVP in ~5 months.
- Cut speech synthesis costs by ~80% and reduced response latency from 7 s to 1.5 s via provider migration (OpenAI → AWS Polly) and pipeline redesign.

Junior Full-Stack Developer, AtıkNakit

Apr – Jul 2024

- Reduced REST API response times by 25% across 6 modules by refactoring query logic in Node.js + PostgreSQL.

Software Developer, Detay İnovasyon Limited

Apr 2022 – Jan 2023

- Built a React + Node.js carbon-footprint tracking platform processing 1,000+ monthly emission records for 3 industrial clients; grew company website peak traffic to 2,000+ weekly views through SEO optimization.

KEY PROJECTS

- Octostra** — Decision intelligence platform — 3-layer pipeline (rule engine + scoring + aggregator) that surfaces prioritized work items with explainable, auditable reasoning. FastAPI + PostgreSQL + React + Docker. octostra.com
- LifeOS** — Life-management app — Next.js 15, Expo/React Native, Supabase; push notifications, mobile widgets, RevenueCat + Iyzico payments. lifeos.tr
- PreventA** — Process-safety platform based on HAZOP/LOPA methodology (FastAPI + PostgreSQL) — designed around a validated real-world client need in industrial safety consulting. In development.
- TÜBİTAK 1831 Panel** — Sustainability project management panel — React + FastAPI, RBAC, role-based reporting, CI/CD-ready deployment.

TECHNICAL SKILLS

AI / ML: LLM integration (GPT API), QLoRA / LoRA fine-tuning, SAM3, Hugging Face Transformers, PyTorch, PEFT, NLP, AWS Polly

Backend: Python, FastAPI, Django, Node.js, PostgreSQL, MongoDB, REST API, Docker

Frontend / Mobile: React, Next.js, React Native, Expo, Flutter, TypeScript

DevOps & Cloud: Docker, Git, GitHub, Jenkins, CI/CD, AWS, Datadog, Agile

Human Languages: Turkish (native) · English (fluent) · Spanish (elementary)

CERTIFICATIONS

Sustainability Management Program (Sustainabilios × Beyond Green, 2026) — ISO 14064, GHG Scope 3, ISO 14067/LCA, ISO 14046, ISO 50001, TSRS/GRI.

Young Executive Academy (2022–2023) — Digital Transformation & Big Data, Entrepreneurship, Finance, E-Commerce, HR.