

Furkan Ermag

AI Agent Engineer | Full-Stack Developer

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PROFILE

AI agent engineer and full-stack developer; 7+ years of software experience, freelancing since 2020. Builds autonomous AI agents, RAG and automation systems; takes an idea to a live product alone (UI, API, database and infrastructure included). Ships products from his own Linux server with Docker + CI/CD; develops Lokma, Omnion and Kestrel as open source; co-founder at Sooliva.

EXPERIENCE

Sooliva - Co-founder & Full-Stack Developer

2025 - Present

- Product and engineering leadership on an AI-assisted sales platform for export teams.
- End-to-end build of lead discovery, automated email follow-up and customer management modules.

Eupholios Developers - Backend & Cross-Platform Mobile Developer

August 2025 - April 2026

- Backend services and cross-platform mobile application development.

Deneyap Technology Workshops - Instructor / Fellow

September 2025 - Present

- Instructor September 2025 - January 2026; Deneyap fellow since January 2026.

Qoortiz - Full-Stack Developer (Part-time)

November 2024 - Present

- Product development on Django + PostgreSQL / MongoDB; backend services and UI integrations.

Freelance - Full-Stack Developer

November 2020 - Present

- Web and mobile project delivery: React Native, Express.js, MongoDB, Docker deployments.

SELECTED PROJECTS

Lokma (github.com/raksix/lokma) - Agentic coding environment (CLI + web): multi-model, native tool calls, automation. AI-assisted, TypeScript.

Omnion (github.com/raksix/omnion) - Enterprise platform + CMS core: multi-tenant content, identity/permissions, media, workflows. AI-assisted, Rust.

Kestrel (github.com/raksix/kestrel) - ShareX-class cross-platform screenshot, annotation and sharing tool; .sxcu compatible. AI-assisted, Rust, Tauri.

Randevona (randevu.fermag.com.tr) - Online appointments for local businesses: multi-tenant panel, availability/slot engine, analytics. AI-assisted, Next.js, PostgreSQL.

NutriLens (nutrilens.fermag.com.tr) - AI nutrition analysis from photos: vision model pipeline, daily calorie tracking. AI-assisted, Next.js, Vision LLM.

Ifade (ifade.fermag.com.tr) - Police statement software: live audio capture, auto transcription, editable minutes. AI-assisted, Next.js, Web Speech.

Tokatla (tokatla.com.tr) - Viral web experience: video upload, real-time WebSocket counters, 4 languages. AI-assisted, Node.js, MongoDB.

KBU Prep (kbuhazirlik.fermag.com.tr) - Karabuk University English prep (YDYO) learning platform: 688 quizzes, book annotator, SRS. AI-assisted, Next.js, MongoDB.

Newsluma (newsluma.com) - English news portal; AI-assisted content pipeline (RSS + Reddit), 100+ articles daily. Next.js, Node.js.

TEKNOFEST Assistant (creathon.fermag.com.tr) - RAG assistant over 59 official documents: page-cited answers, support queue - T3 Creathon. AI-assisted, RAG.

Redwind (redwind.tr) - NFC business card platform: tap-to-share profiles, analytics, Backblaze B2 media storage. AI-assisted, Next.js, Node.js.

EDUCATION

Karabuk University - Computer Engineering (30% English)

2026 - Present (lateral transfer)

Igdir University - Computer Engineering

2024 - 2026

Ciftlikkoy Ataturk Anatolian High School - High School Diploma (Yalova)

Graduated 2024

SKILLS

- Frontend: React, Next.js, Vue, Tailwind; Mobile: React Native
- Backend: Node.js (Express, Nest), Django, Rust, Go
- Databases: PostgreSQL, MongoDB, MySQL, Cassandra
- Infrastructure: Linux, Docker, CI/CD, Nginx, PM2
- AI Agents: Autonomous agents, LLM, RAG, MCP, automation

OPEN SOURCE & COMMUNITY

Lokma, Omnion, Kestrel and Grammar Sprint open source on GitHub: github.com/raksix

R&D in the Modern Technologies Community; competition project with the IGDU team at the TEKNOFEST T3 Creathon.

AWARDS

- TUBITAK 2204-A - Regional Final 8th place (High School Research Projects, 2023)
- TEKNOFEST - Social Innovation Finalist (Technology for Humanity, 2023)

LANGUAGES

- Turkish - Native
- English - B1, technical documentation read/write