

EMİR KURT

Full-Stack Engineer · Backend & Systems

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PROFILE

I build products end-to-end — from schema design to the deploy script. I lead engineering on a greenfield SaaS for robot fleet operations, and run our internal AI tooling effort pairing agentic coding with project-specific context. At my best on small teams making real trade-offs; I prefer architecture decisions that serve the product, not the diagram.

EXPERIENCE

Kora Analitik — Full-Stack Engineer 2025 – Present · Istanbul

- Took the platform from an empty repo to a working pilot — backend, data model, auth, ETL, deploy pipeline. Now running for pilot customers and live demos.
- Got long-running robot workflows right — partial failures, retries and recovery were the hard part, not the happy path.
- **Stack:** Python (FastAPI, Flask, Django), MSSQL, Redis, MQTT, Docker; React on the frontend, also shipped with Astro, Next.js, Vue.

SELECTED WORK

- **Greenfield SaaS architecture** — a deliberately focused Python stack (FastAPI + Flask, MSSQL, Redis) sized to a small team: small enough that one engineer can hold the whole system in their head when an incident hits.
- **Real-time device layer** — MQTT broker integration with the application backend: reconnection, message ordering, per-tenant topic isolation.
- **Deployment & operations** — containerised the platform with Docker and owned it past the deploy; traced partial failures in running pilots back to where they started, not where they surfaced.
- **Portfolio intelligence platform** — ML over multi-layered data processing on a similar stack, with strict per-tenant isolation and data security as a first-class concern, not a bolt-on.

SKILLS

Backend & Data: Python (FastAPI, Flask, Django), SQL (MSSQL, PostgreSQL), Redis, REST APIs, MQTT, Kafka

Frontend: React · Astro, Next.js, Vue

AI Tooling: CLI-based agentic coding (Claude Code, Codex CLI) with custom-built workflows, custom RAG, knowledge graphs (Obsidian), internal training on agentic dev practices

Ops & Quality: Docker & container management, end-to-end testing, data integrity

Also fluent in: Java/Kotlin, C/C++

EDUCATION · LANGUAGES · OFF THE CLOCK

Education: Computer Science, Undergraduate (in progress) — İstanbul Ticaret Üniversitesi, İstanbul

Languages: Turkish (native) · English (professional working proficiency)

Off the clock: Reading too much about systems design · tinkering with agentic dev workflows · slowly turning my Obsidian vault into something that almost looks intentional.