İbrahim Yankaç



Software Engineer

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About

I'm a Software Engineer interested in backend development, DevOps and artificial intelligence. I have end-to-end experience building SaaS and software projects of different scales, covering analysis, development, testing and deployment. I combine my technical background in LLMs, NLP and machine learning with modern development workflows in which I actively use AI-assisted tools. I adapt quickly to new technologies and take a research- and problem-solving-oriented approach to my work.

Experience

Jul 2025 – Aug 2025

Software Engineering Intern | TÜBİTAK BİLGEM, Kocaeli

- Contributed to the Flutter-based mobile and React-based web interfaces of an internal reservation system.
- Worked on API integrations between Java Spring backend services and the mobile and web clients, covering HTTP requests, response handling, data modeling and error handling.
- Studied the backend architecture and REST API endpoints, working on client–server data flows and integration processes.
- Took part in the application's authentication flows by studying its Keycloak-based authentication and authorization setup.
- Used tools and technologies such as Git, Docker, Postman and SQL during development.
- Gained experience in production software development and delivery by observing the team's DevOps, CI/CD and deployment processes.

Projects

KârPilot — E-Commerce Profitability and Cost Tracking SaaS

Next.js · React · TypeScript · PostgreSQL · Prisma · GraphQL · Docker · Redis

- Built a multi-tenant SaaS for ikas stores that combines product, order, cost, operating expense and ad data to calculate true profitability.
- Developed the system end to end, including GraphQL integration, OAuth/JWT authentication, tenant isolation, financial calculations and reporting, data synchronization, rate limiting and testing.

RefPilot — E-Commerce Customer Referral Program App

Next.js · React · TypeScript · PostgreSQL · Prisma · GraphQL · ikas API

- Built a referral program app for ikas stores in which customers bring in new customers through personal invite links and rewards are issued automatically as coupons.
- Developed the system end to end, including OAuth integration with ikas, webhook-based order tracking, first-touch attribution, an idempotent reward flow, automatic storefront script installation, rate limiting and subscription management.

Technical Skills

- **Programming Languages:** Python, TypeScript, SQL
- **Backend & Data:** FastAPI, REST API, PostgreSQL, Prisma
- **Frontend:** React, Next.js, Flutter
- **AI & ML:** LLM, NLP, Generative AI, Machine Learning
- **DevOps & Tools:** Docker, Git, GitHub, Postman, CI/CD
- **AI-Assisted Development:** Codex, Claude Code, ChatGPT, Gemini

Education

B.Sc. Software Engineering / Beykoz University, Türkiye, 2021-2025

Languages

- Turkish: Native
- English: Intermediate