KUTALMIŞ BERKE YILMAZ

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FULLSTACK / PRODUCT ENGINEER

Product-focused full-stack engineer specializing in frontend engineering, AI-enhanced workflows, and scalable system design. Experienced in building distributed pipelines, low-latency UIs, and data-heavy applications. Quickly adapts to unfamiliar codebases and owns features end-to-end — from architecture to deployment.

SKILLS

Frontend: React.js, Next.js, TailwindCSS, ShadCN UI, Framer Motion
Backend: Node.js (Express, Hono, Bun), Python (Fast API, Celery), Prisma, PostgreSQL, MongoDB, Redis
AI Tools: Claude Code, Cursor
AI Workflows: RAG flows, LLM integrations, prompt pipelines, embedding services
System Design: Microservices, event-driven pipelines, caching systems, MVC, queues
Languages: English (C1), Turkish (native), French (B2)

EXPERIENCE

❖ FOUNDING ENGINEER (CONTRACT - UPWORK)

Clubworks, Istanbul - Remote, February 2025 – Ongoing

- Architected a **production-grade data ingestion platform** using FastAPI, Celery, Redis Streams, and PostgreSQL, enabling parallel scraping, robust retry logic, and high-throughput task orchestration.
- Built a fully integrated pipeline across Next.js frontend, Express/Prisma backend, and Python worker services, running reliably in production with zero major failures over 3+ months.
- Optimized the ingestion workflow from **45 minutes to under 3 minutes** for a full scrape across all locations — achieving a **15× throughput increase** via concurrency tuning, batching strategies, and improved queue orchestration.
- Implemented structured scheduling (daily/weekly/monthly cycles) and dynamic queue feeding, ensuring **continuous data freshness** with no manual intervention.
- Created internal debugging/monitoring tooling for workers, queues, and ingestion states, significantly shortening troubleshooting time and increasing pipeline observability.

❖ SENIOR FULLSTACK PRODUCT DEVELOPER

PXCH HOLDING, Florıda, Remote, June 2024 – November 2025

- ThumbnailTest.com
  - Co-led major parts of the platform's **UI/UX overhaul**, redesigning core flows (tests, settings, dashboards) and implementing reusable component patterns.
  - Progressed from frontend-focused tasks to **fullstack and architectural ownership**, influencing system design, data flows, and product-level decisions.
  - Built a **transcript-based RAG chatbot MVP** capable of retrieving and citing relevant transcript segments, establishing the base architecture for future conversational tooling.
  - Ported the Chrome-only browser extension to **Firefox and Safari**, resolving cross-browser API differences and packaging issues, and enabling multi-browser support for future user acquisition.
  - Implemented drag-and-drop features, an enhanced image coordinator, and proper skeleton loading states — significantly improving user interaction smoothness and feedback clarity.
  - Designed a complete onboarding flow and built an **interactive frontend demo** to help new users understand experiment workflows without friction.
  - Delivered modular components and UI architecture patterns reused across other PXCH products (including SendShort), improving engineering speed and consistency.

- Sendshort
  - Led the **entire UI overhaul end-to-end**, redesigning layout, video editor architecture, and core interaction patterns to create a more intuitive, stable, and consistent user experience.
  - Improved video editor load performance by **~70–90ms** through memoization, render optimization, and removing unnecessary reactivity cycles.
  - Completed unfinished or broken user flows, significantly improving UX and reducing user drop-offs in video editing sequences.
  - Redesigned authentication (login/signup) screens and integrated a lightweight, performant video player to improve content previewing.
  - Designed a new onboarding flow (foundational UX work), shaping how new users would experience key product features.
  - Integrated a contextual Helpdesk widget directly into the UI, increasing Helpdesk usage and feature discoverability by **~60%**.

❖ PRODUCT DEVELOPER

Medusa Global Digital Agency, Izmir - Hybrıd, Dec 2023 – April 2024

  - Developed frontend and backend features across client industries (healthcare, construction, tourism).
  - Deployed and configured **Ubuntu LightSpeed & VPS servers**, improving performance and reliability.
  - Worked closely with UI/UX and backend teams to deliver custom web services and integrate third-party APIs.
  - Defined system architectures and tech stacks for new projects; improved accessibility and cross-device compatibility in existing projects.

❖ FRONTEND DEVELOPER

Fıores Global, Ankara - Remote, February 2023 - August 2023

  - Rebuilt the company website with a cleaner architecture and improved accessibility.
  - Collaborated with backend engineers to design and implement a new project dashboard.
  - Supported hiring and onboarding of new developers to align with updated tech stack and workflows.

❖ DATABASE ADMINISTRATOR

MOBILPARK, Izmir - Hybrıd, September 2022 - January 2023

  - Gained hands-on exposure to MVC fundamentals, SQL-based systems, and core web technologies during integration troubleshooting.

EDUCATION

❖ **MARMARA UNIVERSITY, ISTANBUL** – BACHELOR'S DEGREE IN FRENCH TRANSLATION AND INTERPRETING, 2016
❖ SAINT JOSEPH HIGH SCHOOL, IZMIR – HIGH SCHOOL DIPLOMA, 2011

CERTIFICATIONS

- Introduction to Computer Science Certificate, Izmir University of Economics, 2022
- **Duolingo English Test (Equivalent to IELTS)** — Average Score: 140 (IELTS C1 equivalent), 2023
- DELF (Diplôme d'Études en Langue Française) — B2, 2017
- **IELTS Academic** — Average Score: 7.5 (C1), 2016