

Mustafa Sezer Başar

Full-Stack Developer

Ankara, Türkiye · +90 533 024 11 76 · mustafasezerbasar@gmail.com · github.com/mustafa-sezer-basar · linkedin.com/in/mustafa-sezer-basar

PROFESSIONAL SUMMARY

Builds end-to-end products with React/Next.js, Express and PostgreSQL, putting security and compliance requirements (AES encryption, RBAC, PII masking, GDPR) into the architecture from the start. Built two AI products end to end; cut errors by 95% with a management application built for a 15-person operation he set up himself. Does not only write the product but runs it: set up the reverse proxy, TLS, pm2 and Cloudflare DDoS/rate limiting on bare metal personally.

SKILLS

- Web & Full-Stack:** JavaScript / TypeScript, React, Next.js, Express.js, REST API
- Databases:** SQL (joins, window functions, indexing), PostgreSQL (pgvector), MySQL, SQLite
- Infrastructure & Operations:** End-to-end bare-metal setup: reverse proxy, TLS certificate management, service management with pm2, DDoS protection and rate limiting via Cloudflare, PostgreSQL provisioning, logging and alerting
- Data Science & AI:** Python (pandas, scikit-learn, NumPy), RAG architecture, LLM API integration, structured output, Computer Vision (face_recognition, Tesseract OCR)

PROJECTS

- KVKK Compliance Engine** — A personal-data panel where compliance is a provable property rather than a feature list: per-field AES-256-GCM, erasure by destroying a per-subject key, a hash-chained audit log, RBAC. The compliance report can say no — some tests break the system deliberately and require the report to notice. 188 tests. *(TypeScript, Express, node:sqlite, Node crypto (AES))*
- Competitor Rate Monitoring & Dynamic Pricing System** — System written to collect rates daily from booking channels, keep them as a time series and turn them into a price recommendation; collection runs through a Chrome extension in a real session after bot protection stopped the headless approach. The distinguishing input is competitor occupancy, binary-searched out of the availability query — no reservation is created. Error was measured in an open-source study: 35 points naive, 12 censored regression. *(TypeScript, Express, node:sqlite, Chrome Extension)*
- Face-Recognition Self Check-in System (Portal Cappadocia)** — A commercially built self check-in product, never deployed because the region's hotel management system was closed to integration. The ID is read with Tesseract, the face matched with face_recognition, then location is verified: a face match proves who someone is, not that they are at the hotel. Face data is special-category under KVKK Art. 6; a guest who declines checks in at the desk. No photograph is kept, only the numeric representation of the face; there is no liveness check. *(Python, Tesseract OCR, face_recognition)*

EXPERIENCE

Paulmark — Database Analyst — Business Development & Strategy

June 2026 – Present · Ankara

- Leads a three-person technology team, moving a Nebim V3 and Power BI retail stack off Excel-based processes.
- Closed the gap between the teams' own Excel files and the master data; inconsistencies used to surface only once they had grown.

Myrco Spa Center (Barceló Cappadocia) — Co-Founder / Operations Lead

September 2024 – February 2025 · Cappadocia

- Ran the spa centre inside the Barceló Cappadocia hotel as a subcontractor; built the 15-person team from scratch.
- Cut team-caused errors 95% in two months with a Spa Management app he built; error = an unauthorised entry counted on camera, or a session off the sold duration by ±5%.

EDUCATION

Hacettepe University — BA in Business Administration

August 2022 – July 2026 · GPA 3.12/4.00 · English-medium · Graduated

Middle East Technical University (METU) — Civil Engineering

September 2018 – August 2022 · English-medium · Transferred to Business Administration at Hacettepe University

LANGUAGES

Turkish (Native) · English (Advanced — English-medium undergraduate education)