

Mustafa Sezer Başar

Audit & Financial Analysis · Business Administration Graduate

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PROFESSIONAL SUMMARY

Business Administration graduate of Hacettepe University (full-time, English-medium). Built the rule engine of a field audit system for an audit firm: rules are stored with their statute reference and validity period, pass a human review gate, and every audit run stays reproducible. Works on data reconciliation and reporting at a retail group; ran the cash flow, break-even and NPV/IRR analysis of the 15-person business he founded.

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

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.
- Automated the monthly employee-commission calculation: sales data loaded from Nebim V3 or by manual entry runs through a single computation flow. Also added a machine learning model that produces suggestions from past sales.

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.
- Managed cash flow, break-even analysis and financial projections to keep the business sustainable.

Cappadocia High Travel Agency — Sales & Marketing Lead

April 2023 – July 2024 · Cappadocia

- Ran the allocation of the marketing budget across channels, the break-even calculation and cash-flow tracking.
- Planned and ran the digital advertising campaigns; the return on advertising investment came close to 200%.

PROJECTS

- Tax Audit System with Rule Extraction from Legislation** — The rule engine of the field audit system: reads legislation with RAG and turns it into audit rules. A collector he wrote feeds the corpus; rules are held in JSON with article references and validity dates, pass human review, and are then applied deterministically by a Go service. The LLM is off the hot path, so every audit run stays reproducible. *(Python (LLM), Go, Next.js, MySQL, Redis)*
- 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))*
- Data Quality Audit & Reporting Tool** — A tool that cleans dirty tabular data into a multi-sheet Excel report — the real subject being the cleaner's own error rate. It is scored against a synthetic file whose defects are known: 10 silent errors against 361 for a competent twenty-line pandas cleaner. The measurement found three defects in the tool itself, none visible from its output. 134 tests. *(Python, pandas, openpyxl)*

SKILLS

- Finance & Strategy:** Financial modeling, forecasting, ROI/NPV/IRR analysis, Break-even analysis, risk management, Portfolio optimization (Markowitz), Monte Carlo simulation
- Data Analytics & Reporting:** Data quality and reconciliation checks, Metric definition and shared dictionary (consistency across reports), Source-to-report data flow (ingestion, transformation, publication)
- Security & Compliance:** AES encryption, RBAC, PII masking, Audit logging, KVKK/GDPR compliance

LEADERSHIP & COMMUNITIES

- Founding team member, Hacettepe Management Consulting Club (HMCC)

LANGUAGES

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