

Hüsamettin Gündüzoğlu

Full Stack Software Engineer

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👤 SUMMARY

Full stack software engineer with a B.Sc. in Industrial Engineering from METU. Specialized in **TypeScript** on the backend (NestJS, Express), currently expanding into **Go**. Together with friends, took two ideas from zero to production — a **multi-tenant CRM** used by three businesses, and a polling platform validated through a **signed PoC**. Now looking to join a growing engineering team, and gain experience building and running software at scale.

🎓 EDUCATION

Middle East Technical University (METU) — B.Sc. Industrial Engineering (2022 – 2026 · Ankara)

💼 EXPERIENCE

Founding Engineer — Consensus (Aug 2025 – Jun 2026 · Remote)

- Owned **full-stack architecture and development** of a polling platform – **16 NestJS domain services** with schema-per-service **PostgreSQL**, the **Flutter mobile app**, and two React web panels
- Built the **distributed, event-driven backbone** — **Kafka** events, **RabbitMQ** job queues, **request-time feed scoring in Rust** over low-latency **gRPC**, offline ML in **Python**; deployed on **AWS EKS**, monitored with **Prometheus + Grafana**
- Secured a **signed PoC** with a **385K-member** institutional client — closed beta with **1,400 of its members**

Founding Engineer — Kalis (Nov 2025 – May 2026 · Remote)

- Built a **multi-tenant SaaS CRM** for appointment-based businesses — scheduling, client records, payments on a **double-entry ledger**, and an **AI operations assistant (OpenAI)**; **3 businesses live in production**
- Designed the **modular-monolith architecture** with **schema-per-tenant PostgreSQL** and **JWT + RBAC** enforcement; **Next.js + NestJS**; compute on a **Hetzner VPS**, state on managed **AWS**, **Prometheus** observability

Software Developer (Part-Time) — Bee Screen Advertising (May 2024 – Jun 2025 · Remote)

- Rebuilt the customer dashboard into a **configurable, widget-based reporting platform** used by **17 advertising clients** — **Laravel, React, MySQL**

🔗 PROJECTS & AWARDS

Privacy-First Salary Transparency Platform (2026 – Present)

- Building a contribution-based salary transparency platform where single-use tokens and signed receipts separate **anonymous submission from access credit**; the application database stores no direct account-to-entry key
- Go** backend as a **DDD modular monolith** — 12 bounded contexts with a pure domain layer; **PostgreSQL (Ent)**, **Redis**, **Asynq** workers, **Next.js PWA** frontend

E-Commerce Warehouse Decision Support System — METU × Unilever Türkiye (Oct 2025 – Jun 2026)

- Senior year systems design project for Unilever Türkiye's e-commerce warehouse operations — **SKU-level demand forecasting (LightGBM, XGBoost) + MILP optimization (Pyomo)**; **Next.js + Flask** interface

Magna & zkPoke — **1st Place, NoirHack 2025** (May 2025) [GitHub ↗](#)

- Zero-knowledge credential verification** + a privacy-preserving social app with **selective disclosure** — **Noir**, **React**

neurotrade.eth — **1inch Partner Prize (1st), ETHGlobal Cannes 2025** (Jul 2025) [GitHub ↗](#)

- AI-powered trading assistant** with conversational trade suggestions and **cross-chain swap execution via 1inch** — **Next.js**, **Solidity**, **ethers.js**, **OpenAI API**

🔧 SKILLS & LANGUAGES

Languages	Turkish (Native) · Arabic (Native) · English (Professional)
Programming	TypeScript / JavaScript, Go, Rust, Python, Dart
Backend	NestJS, Express, Flask, gRPC
Frontend & Mobile	React, Next.js, Flutter
Databases	PostgreSQL, Redis, MySQL, MongoDB, DynamoDB
Messaging & Observability	Kafka, RabbitMQ, Prometheus, Grafana
DevOps & Cloud	AWS, Google Cloud (GCP), Docker, Kubernetes (EKS), GitHub Actions

🔗 OPEN SOURCE & VOLUNTEER

- robotdegilim.xyz & metu-non.tech** — built & maintained scheduling & elective-discovery tools for METU students
- METU Blockchain Community** — led the developer team; coordinated workshops and hackathon participation
- METU Cyber Security Society** — Executive Board Member for Education
- METU Istanbul Alumni Association** — redesigned and rebuilt the official website