

# EMRE CAN TERZİ

Full-Stack Engineer · Backend & Infrastructure

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## SUMMARY

Engineer with 5+ years of experience across the full stack — from hardware-level data ingestion to scalable, user-facing platforms. Comfortable in backend-heavy environments: REST APIs, cloud infrastructure, real-time systems, and performance-sensitive services. Writes Go for systems work and Node.js/Next.js/React for everything else. Cares about clean architecture, honest engineering, and shipping things that actually work.

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## EXPERIENCE

### Full-Stack Engineer @ 362 Digital

Sep 2025 – Present

- Modernizing web applications for institutional clients including Boğaziçi University and Tuzla Municipality, focusing on performance and long-term maintainability.
- Building Next.js interfaces with SEO, accessibility, and predictable state management via Redux Toolkit.

### Full-Stack Engineer @ WabWay

Jun 2024 – Jan 2025

- Built and maintained backend services for an IoT fleet management system processing real-time telemetry from 100+ OBD-II devices.
- Reverse-engineered CAN bus protocols to decode raw hex payloads into automotive diagnostic parameters.
- Implemented driver behavior scoring using GPS and high-frequency sensor data; added checksum validation for payload integrity.

### Full-Stack Engineer @ Mooxer Games

Dec 2022 – Apr 2024

- Maintained backend systems sustaining 4,000+ concurrent players under traffic spikes — authentication, inventory, lobbies, chat, and in-game markets.
- Managed AWS infrastructure (EC2, Auto Scaling, S3) to keep services stable and cost-efficient under variable load.

### Frontend Developer @ Webbeyaz

Apr 2021 – Sep 2021

- Built responsive interfaces and resolved cross-browser rendering issues; improved design-to-code fidelity through systematic debugging.
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## PROJECTS

### AtakumPlus

atakumplus.com · Founder · Ongoing

- Local community platform for the Atakum district — business listings, maps, service ads, dashboards, and analytics. 38k+ monthly impressions across web and mobile.
- Full-stack: Next.js frontend, Node.js backend, MongoDB, AWS S3 + CloudFront for asset delivery, Expo mobile clients for iOS and Android.

### ZenRoute

Go · Open Source

- Go-based TCP proxy defeating Turkish ISP deep packet inspection via custom TLS record fragmentation and DNS-over-HTTPS resolver fallback — built for low-latency, minimal resource overhead.
- Implemented TLS record splitting at the byte level, DoH with caching, and system proxy auto-configuration for macOS and Windows.

### Pinti

Go · Self-Hosted

- Price tracking platform with a pluggable adapter architecture — currently supporting Trendyol and Amazon.com.tr, extensible to any e-commerce platform.

- Go monolith with async bulk job system (5 concurrent workers), PostgreSQL historical pricing, AWS SES email alerts on price drops, and an embedded React UI. Cross-compiled for linux/386 and self-hosted via systemd + Cloudflare Tunnel.

## **ePanel**

Go · Open Source

- Lightweight self-hosted server dashboard — system stats from /proc, systemd service management via D-Bus, and a full file manager (browse, preview, upload, download, mkdir).
  - React + TanStack frontend; accessible over Tailscale for secure remote server management.
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## **TECHNICAL SKILLS**

**Backend** Go (Golang), Node.js, Express.js, REST APIs, PostgreSQL, MongoDB

**Frontend / Mobile** React, Next.js, TanStack Router/Query, Redux Toolkit, Expo, TailwindCSS

**Infrastructure** AWS (EC2, S3, Auto Scaling, CloudFront), Docker, Nginx, Cloudflare Workers, systemd

**Concepts** Distributed systems, microservice architecture, CI/CD, system design, performance debugging

**Languages** Turkish (Native) · English (Professional Working Proficiency)

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## **EDUCATION**

### **Ondokuz Mayıs University**

Associate Degree in Computer Programming · 2019 – 2021 · References available on request