

Emir Can Manici

Burdur, Türkiye · Open to relocation & remote · canmanici@gmail.com · +90 505 090 1859 · canmanici.com · linkedin.com/in/canmanici · github.com/canmanici

Full-Stack Software Engineer

Backend-focused full-stack engineer, 1.5 years shipping production Python/FastAPI systems for US and Turkish clients while completing a B.Sc. Realtime infrastructure (WebSocket, WebRTC, SSE) and multi-provider LLM routing; three products built and deployed solo, all live.

EXPERIENCE

Full-Stack Developer — BLGN Studios (Remote)

Dec 2025 – Present

- Shipped backend features across a 131-endpoint FastAPI service (~6,500 LOC) powering chat, an in-browser IDE, image generation, and a social feed for Mira AI.
- Built the realtime voice gateway — a WebSocket proxy fronting OpenAI Realtime and Google Gemini Live; deployed with Dokploy and Docker Compose.
- Delivered SSE token streaming: first token in ~500 ms, cutting perceived response time 50–90%.
- Designed intent-based model routing with a sub-1 ms regex fast path handling 5–15% of traffic at zero LLM cost, holding routing spend to ~\$1–5/day at 10k requests.
- Shipped iOS/Android features from a shared React Native/Expo codebase; added GitHub Actions CI (ruff, pyright, pytest + testcontainers on MariaDB) gating every PR.

AI Systems Engineer (Contract) — Emrisoft (United States, Remote)

Jun 2025 – Dec 2025

- Designed the FastAPI backend for a legal-document AI platform parsing PDF, Excel, Word, and Turkish government UDF, with PostgreSQL and Redis on one cost-optimized Docker host.
- Built automatic failover across OpenRouter, OpenAI, and Gemini to survive provider outages.
- Built a Model Context Protocol (MCP) context-orchestration layer to improve retrieval on unstructured legal text; added a router agent and prompt-guard validation layer.

Web Developer (Contract) — İşkur, Turkish Employment Agency

Mar 2025 – Jun 2025

- Built and shipped data-driven web apps (FastAPI, Next.js, Tailwind) for Türkiye's national employment agency; Dockerized and deployed to AWS/GCP.

PROJECTS

MeetBook — Location-Aware Book Exchange · canmanici.com/meetbook

Solo-built · Live in production · Modular monolith: FastAPI, PostgreSQL + PostGIS, Redis, React Native/Expo, WebRTC

- Privacy-first geospatial search: coordinates blurred server-side, EXIF GPS stripped on upload, location history auto-deleted after 30 days (KVKK-compliant).
- Chat plus voice/video over one WebSocket; P2P-first WebRTC connects ~80–85% of calls directly, ephemeral HMAC TURN credentials (1-hour TTL) relaying only CGNAT pairs.
- Argon2id hashing, rotating refresh tokens with reuse detection, per-object authorization; security suite tests auth bypass, location leaks, and rate limits.

Kuafor — Salon Management Platform · canmanici.com/kuafor

Solo-built · Live for a local salon · Next.js, Express (Bun), PostgreSQL, Redis, Nginx, Fail2Ban, Docker Compose

- Replaced per-request SSR with Redis-backed ISR — cached public pages cost zero server renders.
- Isolated self-hosted WhatsApp notifications so messaging failures never block a booking.

SKILLS

Languages: Python, TypeScript, JavaScript, SQL · **Testing:** pytest, testcontainers, pyright, ruff

Backend: FastAPI, Node.js/Express, REST, WebSockets, WebRTC, SSE, JWT/OAuth, SQLAlchemy/Alembic

AI: OpenAI, Gemini, OpenRouter APIs, multi-provider routing/failover, Retrieval-Augmented Generation (RAG), MCP

Frontend & Mobile: React, Next.js, React Native, Expo, Tailwind CSS, Zustand, TanStack Query, Vite

Data & Infrastructure: PostgreSQL (+PostGIS), Redis, MariaDB, Docker, Nginx, GitHub Actions, AWS (EC2, S3), GCP

EDUCATION

Burdur Mehmet Akif Ersoy University — B.Sc. Information Technology, June 2026 · Turkish, English (professional)