# Taner **Tombaş**

## Staff Engineer · Back-end & AI Systems

Istanbul, Türkiye · remote (EU time zones) · open to relocation
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## PROFILE

Back-end engineer with 16 years in production systems, the last eight leading teams and architecture on consumer apps at scale. Currently Staff Software Engineer at AppNation, owning back-end architecture across 37+ AI-powered applications on a TypeScript/NestJS, PostgreSQL and GCP stack. Builds and ships AI products end to end: LLM integration, event-driven services, developer tooling, observability. Outside work, runs own products: an AI cover-design SaaS with paying customers, a context-memory server for AI agents, and a desktop platform that orchestrates coding agents.

## EXPERIENCE

**Staff Software Engineer** · AppNation, Istanbul · full-time — Jul 2025 – present · **1y 5m**

- Lead back-end architecture and development for 37+ AI-powered and data-driven applications; TypeScript, NestJS, PostgreSQL, Redis, RabbitMQ, Kubernetes (GKE) on GCP.
- Designed and maintain high-throughput, horizontally scalable microservices and the event-driven backbone between them.
- Built the internal package layer: private NPM packages and shared back-end modules that standardise authentication, logging and API integrations across every service.
- Embedded LLM capabilities (OpenAI and other providers) into back-ends for automated and adaptive workflows.
- Own reliability: distributed-system stability, observability and fault tolerance across environments.
- Drive system design, mentor developers, and align product goals with engineering execution.

**Staff Engineer** · Gastromind · contract, remote — Mar 2024 – Jun 2025 · **1y 4m**

- Architected scalable back-end systems for AI-driven automation and decision-making products, built for high data throughput and reliability.
- Built the data pipelines that feed the AI models; worked with AI specialists, product and DevOps to deploy and run them.
- Hardened operations: monitoring, bottleneck removal, stability work.

Python · Go · Node.js · RabbitMQ · PostgreSQL · Azure · API design · microservices

**Back-end Team Leader** · ACF.fit · part-time, remote — Nov 2023 – Feb 2024 · **4m**

- Led the back-end team of an AI personal-trainer app: real-time performance analysis from phone-camera action recognition.
- Assembled and led the team, set testing practice, bridged technical and product management.

Node.js · Go · DynamoDB · MySQL · MongoDB · SQS · AWS Lambda

**Senior Back-end Developer** · Bluedot · full-time, remote — Apr 2023 – Oct 2023 · **7m**

- Serverless back-end on AWS Lambda with TypeScript and Node.js; cloud-function optimisation and robust APIs with Laravel.

**Senior Back-end Developer** · Arteria Ventures · full-time, remote — Jun 2018 – Jan 2023 · **4y 8m**

- Cut error and crash reports on Faladdin from about 20,000 a day to about 2,000.
- Architected the back-end that carried Faladdin from 350,000 to 750,000 daily interactions.
- Designed and built the credit and subscription system behind the apps' revenue.
- Built the central error-handling framework; contributed to Binnaz, 5M+ downloads and top-10 Lifestyle on the iOS App Store.

Python · PHP · Laravel · Go · Node.js · MySQL · MongoDB · Docker

**Senior Back-end Developer, contract** · Ubit; Markakod Interactive · on-site Dec 2017 – Jun 2018 · **7m**

Designed the architecture of Bahçeşehir University's student app (exams, grades, attendance) and recruited and led its team of six; back-end and campaign automation for a gaming app. PHP, Laravel, Node.js, MySQL, MongoDB, Docker.

**Full-stack Developer** · Delta Ajans · on-site Jul 2015 – Sep 2017 · **2y 3m**

Led development of a customer-support platform (Laravel, Vue.js), with Node.js for concurrency and Python for permission management.

**Full-stack Developer** · KA Bilişim Teknolojileri · on-site Sep 2010 – Jun 2015 · **4y 10m**

Migrated public-sector (health and social services) database projects from Classic ASP to PHP; MySQL and Microsoft SQL Server.

## PROJECTS

- **CoverDrop** — AI cover and thumbnail generator for creators: multi-provider image generation, a style library, credit billing via Paddle, Hetzner/Docker deployment, analytics, and an automated social pipeline on n8n. Live, with paying customers.
- **Synatyx** — context-memory server for AI agents over MCP: layered memory, retrieval, tasks and handoffs. PostgreSQL, Qdrant, Redis, Caddy, Docker on Hetzner.
- **Kai Bridge** — Electron desktop platform that hosts and orchestrates Claude Code agent squads (leads and workers in git worktrees), with phone remote control, voice, calls, and a release pipeline for macOS and Linux.
- **Engram** — always-on memory daemon for agents using local models, built for high-volume automatic operation logging.

## WRITING

Medium, @tombastaner: "What Is a Context Engine and Why Every AI Agent Needs One" (2026), "Beyond Model Fallbacks: Provider-Level Resilience for AI Systems" (2025), "Complete RAG Pipeline: Orchestrating Intelligence from Question to Answer" (2025), "Anthropic's Model Context Protocol (MCP): the USB-C Port for AI Applications" (2025).

## SKILLS

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|---|---|
| **Languages** | TypeScript / Node.js, Go, Python, PHP |
| **Frameworks** | NestJS, Fastify, Express, Laravel, Django, Flask, GoFiber, Vue.js |
| **Data** | PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, Elasticsearch, Qdrant, SQLite |
| **Messaging, infra** | RabbitMQ, Kafka, SQS, Kubernetes (GKE), Docker, GCP, AWS Lambda, Azure, Firebase, Cloudflare, Hetzner, Jenkins, GitHub Actions, n8n |
| **AI** | LLM integration (OpenAI, Anthropic Claude, Gemini), RAG, AI gateway and provider-agnostic architecture, image, video and audio generation APIs, MCP servers, agent orchestration |
| **Practice** | System design, microservices and event-driven architecture, schema-driven API design, SDK and internal package development, observability and reliability, mobile monetisation integrations (Adapty, AdMob), team leadership and mentoring |

## EDUCATION

Ondokuz Mayıs University · 2011 – 2013

## LANGUAGES

Turkish (native) · English (professional working proficiency, B2+)