

ALİ BEYDİLİ

Backend & Mobile Developer

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SUMMARY

Software developer specializing in Python/FastAPI backends, Flutter mobile apps and PostgreSQL, with a track record of taking products from idea to production. Over the past 18 months, built a SaaS platform (backend, mobile app, web, AI layer, CI/CD) from scratch as the sole engineer and brought it to closed beta with enterprise customers. Previously delivered dozens of WordPress, Shopify and .NET web projects as a freelance developer for agencies. Hands-on experience running LLM and classical ML models on real data in production, including data labeling and model evaluation.

EXPERIENCE

- Founder & Lead Engineer** | Ergear Bilişim A.Ş., Istanbul Feb 2025 – Present
- Designed and built PulseSight, a brand and reputation monitoring SaaS for Turkish social media, end to end as the sole engineer: FastAPI + PostgreSQL + Redis backend, Flutter mobile app (App Store TestFlight) and Next.js customer portal; now in closed beta with enterprise brands.
 - Built an ingestion pipeline that reliably processes ~5,000 data pulls per brand per day using monthly-partitioned post tables and CPU/IO-separated job queues (arq); maintained production discipline with 65 schema migrations and 1,500+ automated backend tests.
 - Developed the AI layer: Claude Haiku-based sentiment and category classification, four alert families (threshold, spike, viral post, match) and scheduled report generation; kept LLM costs under control with caching and prioritization.
 - Selected the sentiment model through a benchmark on 19,900 real posts; designed an LLM-labeled silver training set and a human-verified gold evaluation set pipeline, aimed at distilling a large model into a small, cheap one.
 - Integrated an enterprise social data provider API, RapidAPI adapters, bank-hosted 3D Secure payments, FCM/APNs push, Microsoft 365 mail and DigitalOcean + Cloudflare deployment; set up parallel CI on GitHub Actions (local gate time cut from 8 min to 2 min).
 - KickForge: open-source Python toolkit for Kick.com streamers (WebSocket event engine, chat bot, game integrations, overlays), published on GitHub with 250+ tests.
- Software Specialist** | Papatya Dental Hospital, Antalya Jan 2024 – May 2024
- Built and maintained the hospital's WordPress website; handled SEO, graphic design and video editing.
- .NET Developer** | Veacs, Manisa (hybrid) Aug 2022 – Aug 2023
- Developed and managed C#/.NET and web projects for the digital subsidiaries of my own company.
- Web Developer & SEO** | Veraise Su Aritma, Manisa May 2022 – Aug 2023
- Built the web and e-commerce infrastructure of a family business; ran SEO and digital marketing.
- Web Developer** | Socify.media, Izmir May 2022 – Dec 2022
- Developed corporate and e-commerce websites for agency clients.
- Web Developer (Freelance)** | ReklamOdası, Istanbul (remote) Nov 2021 – Jun 2022
- Delivered C#/.NET and WordPress client projects remotely.
- Web Developer** | Zero Agency, Izmir Nov 2021 – Feb 2022
- Developed .NET MVC and WordPress projects.
- Web Developer** | DITCO Food, Izmir Mar 2021 – Oct 2021
- Corporate web development; moved to freelance work afterwards.
- Information Technology** | Özçek Kırtasiye Oct 2016 – Jan 2017
- n11 marketplace content management and social media.

SELECTED PROJECTS

- GhostSight** | AI decision system for drone detection from radar data R&D
- Built an ensemble architecture combining XGBoost, BiLSTM and Transformer models under a meta-learner; reached 97.2% recall in v3.5 while cutting false positives by 84% through hard negative mining and a post-classification filter.

- Created a gold label set from 33 real radar sessions and a hybrid training set with synthetic data (real/synthetic ratio and edge-case weighting decided by measurement); enabled offline/edge inference with ONNX Runtime.
- PETRI** | Multi-agent artificial life experiment (precursors of self-modeling and communication) R&D
- Built a bit-exact deterministic world simulation in NumPy (36,000 ticks/s), GRU + MPC agents and a linear probing framework. Every sprint ran with pre-registered hypotheses, 5 seeds, effect sizes and ablation controls; all findings, including negative results, were documented.
- canesayakkabi.com.tr** | Django e-commerce, from scratch Live
- Developed an e-commerce site and custom management panel with Django 5 + PostgreSQL + Tailwind (35 models, 81 endpoints): iyzico 3D Secure payments, Yurtiçi Kargo SOAP shipping integration, WooCommerce product import, PDF invoices, coupons and cart campaigns, abandoned-cart emails.
- PROMETHEUS** | Artificial consciousness architecture without LLMs Open source
- 7-layer cognitive architecture with an embodied agent in Minecraft; 21,000+ experience cycles. Published on GitHub with results documented, including what did not work.
- Web projects** | Selected sites
- charmscompany.com.tr, charmscompanyshop.com (Shopify setup and theme customization) · drgulsen.com, caretrobotics.com, vajinismushikayem.com (WordPress, SEO-focused).

TECHNICAL SKILLS

- Backend: Python (FastAPI, Django, asyncio), C# / .NET MVC, PostgreSQL, Redis, arq and queue systems, REST APIs, Docker
- Mobile & web: Flutter/Dart, Next.js/React, JavaScript, Tailwind, WordPress, Shopify
- AI & data: LLM integration (Claude, Gemini), prompt design, data labeling and gold set creation, model benchmarking and calibration, XGBoost, PyTorch, ONNX Runtime, NumPy
- Operations: GitHub Actions CI, DigitalOcean, Cloudflare, Linux; agent-assisted development with Claude Code

EDUCATION

- Akdeniz University** | Associate Degree, Computer Programming 2015 – 2019
- Manisa Anatolian Technical High School** | Web Design 2010 – 2014

LANGUAGES

- Turkish (native) · English (technical documentation and written communication: advanced; speaking: intermediate)