

Fatih ALTUNTAŞ

+90 535 424 2228 | altuntasfatihdev@gmail.com | Aydın, Türkiye
[linkedin.com/in/fatih-altuntas](https://www.linkedin.com/in/fatih-altuntas) | github.com/Conquerorr0

PROFESSIONAL SUMMARY

Full-Stack Computer Engineer (B.S., Firat University, 2026) with over 4 years of freelance and internship experience, delivering end-to-end SaaS, B2C, and enterprise automation solutions. Proven track record in Next.js 15, React, ASP.NET Core MVC, Flutter, and Kotlin. Experienced in AI-integrated product development, including a medication brochure analysis system funded by TÜBİTAK and a hybrid LLM medical history application that achieved a 92.1% API success rate. Actively uses AI-powered development tools (Cursor, Claude Code, Gemini) to maximize delivery speed and code quality.

TECHNICAL SKILLS

Web & Backend: Next.js 15, React, ASP.NET Core MVC, Node.js, HTML5, CSS3, JavaScript (ES6+), TypeScript, Tailwind CSS

Mobile: Flutter, Kotlin, Dart, Android Jetpack

Languages: C#, Python, Java, C

Databases & BaaS: Supabase, PostgreSQL, Firebase, MySQL, MongoDB, SQLite, Room

Tools & Platforms: Git, GitHub, Docker, Jira, Postman, Cursor, Claude Code, Vercel, Arduino

Methodologies: OOP, Tiered Architecture, MVVM, MVC, Agile/Scrum, RESTful API, AI-Powered Development (LLM Integrations)

Languages: Turkish (Native) | English (A2-B1)

PROFESSIONAL EXPERIENCE

Freelance Full-Stack Developer | Bionluk.com, Remote

Dec 2021 – Present

- B2C & AI-Integrated E-commerce (muzikburada.net):** Engineered secure payment infrastructure (iyzico/PayTR) and user authentication for a growing platform with 50+ active customers. Delivered Vercel-hosted frontend scoring Lighthouse 100/93/100/100 (Performance/Accessibility/Best Practices/SEO). Implemented backend payment gateways and authorization workflows for the platform's AI Song Analysis feature.
- Corporate Web Solutions (xmaxtemizlik.com, aydinlift.com):** Delivered SEO-optimized corporate websites with custom admin panels. Xmax Temizlik scored Lighthouse 90/90/100/100; Aydın Lift achieved a perfect 100/95/100/100 — both sites ranking 100 on SEO and Best Practices.
- Restaurant Management System:** Developed and deployed a full-stack automation system actively in use at a 30-table, 3-floor restaurant. Built role-based mobile interfaces for waiter and admin workflows with custom database schemas and REST API contracts.
- Embedded & IoT Solutions:** Delivered Flutter applications integrating HC-05 Bluetooth sensor data (air quality monitoring) and ML-based handwriting-to-text conversion.

Software Developer Intern | Firat University Computer Engineering, Elazığ

Sep – Oct 2025

- AI Medical Anamnesis System:** Architected and built a Hybrid LLM Virtual Anamnesis application using a novel Producer-Validator dual-model architecture (GPT-4o-mini + Gemini-2.0-Flash). System achieved 92.1% HTTP success rate across 139 requests, sub-1ms red-flag detection for 5 critical symptom categories (cardiac, respiratory, neurological, trauma, bleeding), and 98.7% unit test pass rate across 467 tests.
- Real-Time Voice Pipeline:** Integrated Google Cloud Speech-to-Text/TTS and Socket.IO WebSocket layer for low-latency bilingual voice interaction; KVKK/GDPR-compliant data handling built into the architecture from day one.
- Infrastructure:** Containerized all microservices via Docker Compose; implemented JWT-based authentication with anomaly and red-flag escalation logic. Tech stack: React + TypeScript, Node.js + Express, MongoDB.

Software Developer Intern | IOTECH Yazılım ve Bilişim Teknolojileri, Elazığ

Aug – Sep 2025

- Predictive Modelling:** Developed a Python-based ANFIS-PSO (Particle Swarm Optimization) hybrid time-series model for medical waste volume forecasting across 3 major Turkish cities (Istanbul, Ankara, İzmir), covering 16 years of data (2008–2023).

- **Data Analysis & Feature Engineering:** Conducted feature selection using Spearman Correlation (ρ up to 0.988, $p < 0.001$), VIF multicollinearity analysis, and PCA dimensionality reduction (PC1 explaining up to 97.8% of variance). Applied Walk-Forward Expanding Window Cross-Validation (9-fold) to prevent data leakage.
- **Results:** ANFIS-PSO outperformed all baseline models (Linear Regression, SVR, Random Forest, MLP) — achieving MAPE as low as 0.11% on İzmir data and under 2.5% on Ankara data across multiple test years.

EDUCATION

B.Sc. Computer Engineering — Firat University, Faculty of Engineering, Elazığ

Graduated: February 2026

PROJECTS & ACHIEVEMENTS

- **AI Virtual Anamnesis:** Hybrid LLM architecture (GPT-4o-mini + Gemini-2.0-Flash) for Turkish medical history-taking. Key metrics: 92.1% API success rate, <1ms red-flag detection, 98.7% unit test pass rate (467 tests), 1.53s average LLM latency. Submitted as graduation thesis with JMIR Medical Informatics as target publication.
- **TÜBİTAK 2209-A — AI Drug Leaflet Analyzer (Completed):** Developed an LLM-powered system (Google Gemini API) to analyze and summarize drug leaflets for 1,000+ pharmaceutical entries. Applied advanced prompt engineering and system constraints to eliminate hallucinations and prevent unauthorized medical advice; model outputs are strictly grounded in the source leaflet text with inline citations.
- **NASA Space Apps Hackathon — Marineguard:** Built a server-side API and mobile prototype retrieving NASA satellite data via OpenDAP to compute point-specific weather and precipitation risk scores.
- **Ikarus Tour (ASP.NET Core MVC):** Academic corporate travel management system and data dashboard built to strict OOP and multi-tier architecture principles.
- **Bilsin Mobile App:** Python web scraping (BeautifulSoup) pipeline delivering real-time university announcement push notifications to subscribed students.