

# BEYZA ARISOY

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Istanbul, Turkiye

## FULL-STACK DEVELOPER | AI & MOBILE SOLUTIONS

Computer Engineer and Full-Stack Developer with deep expertise in the Laravel ecosystem and React. I specialize in designing microservice architectures and managing the end-to-end software lifecycle, from backend logic to complex data visualization. I actively engineer AI-driven solutions by integrating Generative AI (LLMs, RAG) and React Native into production environments. My focus is on delivering scalable, secure, and intelligent software across both web and mobile platforms.

## SKILLS

- **Backend & Architecture:**
  - PHP, Laravel
  - Supabase (Auth, Database, Realtime)
  - RESTful API Development, Microservices Architecture
  - Authentication (Passport/Sanctum), System Design
- **Mobile & AI Technologies:**
  - React Native, Expo
  - RAG Architectures,
  - LLM Integration (OpenAI API)
  - Python (FastAPI/Flask for AI Inference)
- **Frontend & Web:**
  - React.js, JavaScript, jQuery
  - Cornerstone.js (DICOM/Medical Imaging)
  - Tailwind CSS, Bootstrap
- **Database & DevOps:**
  - MySQL, PostgreSQL
  - Git, Docker (Containerization)
  - Apache Server Management

## WORK EXPERIENCE

Health Institutes Of Turkiye (TÜSEB)

May 2024 - December 2025

### Full-Stack Web Developer

#### 1. Artificial Intelligence in Healthcare Project: Mammographic Imaging Platform (From May 2025):

- Developing a comprehensive medical imaging web application allowing clinicians to analyze AI-processed mammograms.
- System Architecture: Architected a multi-service ecosystem where the React frontend interfaces with a Python AI service via RESTful APIs to fetch real-time inference results, supported by a scalable Laravel/MySQL backend.
- DevOps & Deployment: Containerized the entire technology stack using Docker to ensure environment consistency and streamline the deployment process across GPU-powered servers.
- Frontend & Visualization: Built advanced annotation tools using React, enabling clinicians to view DICOM images and compare AI-generated medical reports interactively.

#### 2. IT Department – Web Systems and Platform Development (May 2024 – April 2025):

- Designed and developed a full-stack web application utilized by concurrent contestants during the 2024 Teknofest Antalya and 2025 Istanbul Health AI Competitions, supporting secure registration, file uploads, and profile management.
- Built a comprehensive admin dashboard with real-time data visualization, user management, and analytics using Laravel.
- Developed secure RESTful APIs for internal services such as email notifications, authentication, and file handling.
- Delivered over 10 dynamic websites and custom CMS platforms using Laravel, Livewire, Tailwind CSS, and Bootstrap.
- Handled server operations including Apache configuration, SSL certificate management, and manual deployments to production environments.
- Administered and optimized MySQL and PostgreSQL databases, focusing on performance, indexing, and data integrity.

Tamamliyo Technology Company

January 2023 - April 2024

### Full-Stack Web Developer

**Group Health Insurance Tracking System:** It is a software specially designed for companies to track the health insurance of their personnel. It makes it easy for employers to manage health insurance plans for their employees and allows them to track the costs and usage of health insurance plans.

Technologies: Laravel, Livewire, MySQL, Tailwind CSS

**Dynamic SPA Application Enabling Multi-Website Generation Capabilities:** Enables the generation of customizable web projects with different themes from a single foundational project.

Technologies : Vue.js, Axios, Tailwind CSS.

**Admin Panel For Company:** I worked in the development of an admin panel using Laravel for Tamamliyo company. This admin panel allows for the observation and management of Tamamliyo's products, partners, APIs, incoming insurance quotes for their products, company accounting statistics, and much more.

Technologies : Laravel, Livewire, MySQL, Tailwind CSS.

Tamamliyo Technology Company

August 2022 - December 2022

### Front-End Developer Long Term Intern

I have developed the front-end of various insurance purchasing websites.

Çevik Çözüm Software

August 2021 - September 2021

### Software Intern

Web projects' connections with the server and database section in the backend

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## PERSONAL PROJECTS

### TahlilAsistanım (AI-Powered Health Analysis App) (Mobile)

- A health-tech application that interprets complex medical lab reports from photos. Uses Vision API to digitize data and LLMs to provide user-friendly, medically accurate summaries and symptom analysis with a focus on data privacy.
- Technologies: React Native (Expo), TypeScript, OpenAI (GPT-4o & Vision), Supabase, OCR.

### Kismet – Interactive Decision Maker App (Mobile)

- A polished lifestyle utility app designed to solve "decision fatigue" in a fun way. Features a high-end "Natural Aesthetic" UI, smooth micro-interactions, and custom algorithms for random selection functionalities.
- Technologies: React Native (Expo), Reanimated, Haptics, Local Storage.

### WEB-BASED SOCIAL CONTENT PLATFORM FOR MEDENİYET UNIVERSITY

- This is a platform that will help Istanbul Medeniyet University students and academics get the most out of the opportunities offered by the university environment.
- Technologies: Laravel, MySQL, Tailwind CSS

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## EDUCATION

Computer Engineer

2019-2023

Istanbul Medeniyet University

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## REFERENCE

Assoc. Prof. Nurullah Çalık - 0 (505) 645 32 84

Assist. Prof. İbrahim ARI - 0 (555) 559 0927

Ufuk Uçar (TÜSEB IT Unit Manager) - 0 (507) 288 8616

## LANGUAGES

Turkish

English