

# FERAT TAŞ

## SOFTWARE DEVELOPER

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### SUMMARY

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Backend-focused software developer with hands-on experience in multi-tenant SaaS architectures, Role-Based Access Control (RBAC) systems, and scalable RESTful API development. Contributed to backend service design, database schema modeling, and secure data access mechanisms in production-oriented environments. Experienced in building modular, layered architectures with a focus on maintainability and system scalability. Developed deterministic scoring engines and authorization workflows in data-sensitive applications. On the mobile side, built Flutter applications using service-oriented structures and state management patterns.

### PROFESSIONAL EXPERIENCE

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#### Keşfed Bilişim – Software Developer Intern

- Contributed to the development of a multi-tenant management system with organization-based data isolation.
- Supported the implementation of a Role-Based Access Control (RBAC) authorization structure.
- Participated in RESTful API design and backend service development.
- Contributed to relational database schema design and data modeling.
- Implemented basic audit logging and secure data access mechanisms.

#### Game and Application Academy – Flutter Developer (Bootcamp)

Dec 2023 – Aug 2024

- Developed a multi-screen Flutter application with authentication, user routing, and reservation flows.
- Designed layered architecture (UI – Service – Data Layer).
- Implemented Provider-based state management and Firebase integration.
- Built modular scoring and progression logic.
- Selected as a finalist among hundreds of projects. with the AllGötür application.

### PROJECTS

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#### Nodus – Multi-Tenant Clinical Management Platform

- Designed a multi-tenant architecture using organization\_id-based data isolation.
- Implemented a Role-Based Access Control (RBAC) authorization system.
- Built REST-based services for session scheduling, calendar management, and expert assignment.
- Designed audit logging and secure data access mechanisms aligned with data protection principles.
- Structured an extensible relational database schema for scalability.

#### AI-Supported Psychometric Assessment Platform

- Developed a deterministic scoring engine to ensure transparent and repeatable test evaluations.
- Designed a 3-layer system architecture: Scoring Core, Context Layer, and AI Interpretation Layer.
- Implemented a risk analysis and decision-support module for expert users.
- Built a scalable evaluation pipeline for psychological assessments.

## Health SDK – Cross-Platform Health Data Integration

- Integrated Google Health Connect, Huawei Health Kit, and Apple HealthKit via Flutter SDK.
- Implemented normalization and delta synchronization for 12+ health metrics.
- Designed duplicate prevention and automatic provider detection mechanisms.
- Built cross-platform data mapping structures using Go, Kotlin, Swift, and Dart.

## AdBridger – AI-Based Advertising Platform

(Product in Development – MVP Phase)

- Designed a relational database schema for influencer-brand matching logic.
- Planned backend flows for campaign, offer, and user lifecycle management.
- Designed a bidirectional rating algorithm for platform trust modeling.
- Architected a REST-based backend structure for MVP implementation.

## AllGötür – Mobile Food Donation Platform

(Game and Application Academy Project)

- Developed a mobile application that matches surplus restaurant food with individuals in need.
- Designed user verification, donation creation, reservation, and pickup flows.
- Integrated Gemini API for SDG-related data processing.
- Selected as a bootcamp finalist project.

## LEADERSHIP & PROGRAMS

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### Aspire Leadership Program

Mar 2025

- Successfully completed the 2025 Aspire Leaders Program (40 hours of structured coursework).
- Selected participant in a global leadership development program.
- Completed three modules focused on leadership, communication, and social impact.
- Participated in cohort-based discussions and project reflections.

### YetGen – 21st Century Competencies Program

Aug 2023 – Oct 2023

- Completed a 140-hour advanced training program focused on analytical thinking, presentation skills, leadership, and technology literacy.
- Participated in milestone-driven team projects and structured evaluation processes.

## CERTIFICATIONS

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- Game and Application Academy – Program Graduate & Bootcamp Finalist
- IBM x Kodluyoruz – CyberStart Program
- Google Project Management Professional Certificate
- Miuul – Python for Data Science
- Cisco – Introduction to Cyber Security

## EDUCATION

### Iskenderun Technical University

B.Sc. in Computer Engineering (2023 – Present)

## LANGUAGES

English (B1)

Turkish (Native)

## TECHNICAL SKILLS

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- Programming: Python, Java, Dart, Go
- Frameworks: Flutter, Spring Boot
- Databases: MySQL, MSSQL, Firestore
- Architecture: REST API Design, RBAC, Multi-Tenant Systems, Layered Architecture
- Tools: Git, GitHub, Postman, Firebase