

Furkan Arslan

Mobile Application Developer

✉ furkanarslan.edu@outlook.com ☎ +90 536 709 7564 🔗 LinkedIn 🐙 Github 📧 Medium 📍 Istanbul/Turkey

📄 Summary


Mobile application developer with **3 years of experience**, specializing in **Flutter** to craft high-performance, cross-platform apps. Proficient in **React Native** and native iOS development with **Swift**, delivering versatile and robust mobile solutions.

📁 Professional Experience

makromusic Inc. 
Mobile Application Developer

11/2022 – present
Istanbul, Turkey

Contributed to a **popular dating app with over 10 million downloads and 200+ screens**, developing complex features using the **Flutter framework** and applying **clean architecture** principles to ensure scalable, maintainable, and testable code. Also, **developed multiple mobile applications from scratch**, taking full responsibility for the entire development lifecycle, including architecture, implementation, and deployment.

- Developed a reward feature that seamlessly interacts with music platforms like *Spotify* and *Apple Music* utilizing the **Bloc State Management**, **Sembast**, **Shared Preferences**, **REST APIs** and **WebSocket**.
- Developed and launched an AI image generator app called *Petsona*  from start to end. Work included building the app with Flutter, adding **in-app purchases** with **RevenueCat**, setting up **App Store Connect** and **Google Play Console**, and using **fastlane** to automate **TestFlight** and **release** builds.
- Utilized **Flutter DevTools** for **performance analysis**, optimized critical pages, and meticulously documented the process. This approach resulted in substantial improvements most notably, **lowering the churn rate by 8 percent**.
- Developed **iOS and Android plugins** using Flutter **method channels** to integrate FaceTec's face liveness verification.
- Implemented a real-time voice recording feature using **FFT** and **FFmpeg** to process and visualize raw audio streams as waveforms.
- Developed a **native iOS framework** for makromusic ads, using **Swift** and **UIKit**.
- **Led product development** in small teams by **reviewing pull requests** and ensuring code quality.
- Created and properly documented multiple **Flutter packages** for in house usage.
- Developed an **A/B testing** management system accessible exclusively to test and development teams, allowing testers to modify A/B testing parameters to evaluate all cases.
- Written **unit tests**, **widget tests** and **golden tests** for the advanced features of the mobile application.
- Developed a **Dart analyzer tool** to detect missing dependency injections.

Caretta Software 
Mobile Application Developer Intern

06/2022 – 08/2022
Istanbul, Turkey

I've contributed to the development of an in-house mobile application for TEMSA, a leading bus company in Turkey.

- Attained a high level of proficiency in **Git** and **GitHub**, showcasing strong skills in version control and collaborative development throughout the internship.
- Created user friendly interfaces using **React Native** and **Redux Toolkit**.
- Developed a versatile logging system using **TypeScript**, which includes a method that generates comprehensive logs while ensuring data types are accurately recorded.

📁 Projects

DreamFrame: AI Video Generator Mobile App 

Developed a mobile application that enables **image-to-video**, **text-to-video**, and **template-based video creation**, with full support for **subscriptions** and **in-app purchases** using **RevenueCat**. Integrated **Firebase services** including **Cloud Functions**, **Firestore**, **Remote Config**, **Crashlytics**, and **anonymous authentication**. Implemented **RevenueCat webhooks** and **Cloud Tasks** to manage background queues and subscription-related workflows. Set up **CI/CD pipelines with Fastlane**, including automated **TestFlight distribution**, **screenshot generation**, and **production deployments**.

EventMate Mobile App 

Developed a mobile application using **Flutter**, implementing a **layered architecture**, **state management**, **dependency injection**, **persistent storage**, **API integration**, advanced **localization**, **code generation** and more. Utilized a **serverless** backend, **web scraping** for data collection, and **logistic regression** for data analysis and user recommendations.

Features of the App:

- **Authentication**: Secure login and user management.
- **Available Events**: Browse and view details of all upcoming events.

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- *Suggested Events*: Receive personalized event recommendations using logistic regression.
- *Social Feed*: Stay updated on friends' attendance and activities.
- *User Profile*: Manage and view your personal information and event history.

Travel Helper Mobile App

Turkish Airlines Travel Hackathon

Developed a mobile application in just seven days using **React Native** and **Redux Toolkit**. This application integrates Turkish Airlines **APIs** and utilizes packages like **Axios**.

Features of the App:

- *Weather Reports*: Receive up-to-date weather information for your destination based on your ticket details.
- *Baggage Tracking*: Monitor the status of your baggage throughout your journey.
- *Lost Baggage Locator*: Assist in locating any misplaced baggage.

</> Skills

Flutter (Dart) | **Bloc** | **Provider** | **REST API** | **WebSocket Services** | **MVVM, MVC** | **Clean Architecture** | **Design Patterns** (DI, Singleton, Factory, etc.) | **Firebase** (Auth, Firestore, Crashlytics) | **Local Storage** (SQLite, Sembast, SharedPreferences) | **Revenuecat** (In-App Purchases, Subscriptions) | **AWS** | **Push Notifications** | **Local Notifications** | **Android, iOS** (Kotlin, Swift) | **Unit Testing** | **Widget Testing** (UI Test, Golden Test) | **Git Version Control** | **Github** | **Jira** | **CI/CD** (Fastlane) | **App Release** (App Store Connect, Google Play Console)

Education

Istanbul Aydın University 

Bachelor's Degree of Computer Engineering

2019 – 2024
Istanbul, Turkey

- GPA: **3.84 / 4.0**
- Graduated **at the top of the class** in the Computer Engineering department.

Languages

English (C1) | **Turkish** (Native)