

Mustafa Kemal Gökçe

mkemaldev@gmail.com | mkemalgokce.github.io | linkedin.com/in/mkemalgokce | github.com/mkemalgokce

Skills

Development: Swift, Objective-C, UIKit, SwiftUI, Cocoa Touch, CoreData, Swift Concurrency (async/await, actors), Thread Safety, RESTful API, XMPP, SDK Development, Clean Architecture, MVVM, VIPER, SOLID, TDD, XCTest

Cross-Platform: Flutter, Dart, React Native; **Android:** Kotlin, Jetpack Compose

Tools & DevOps: Xcode, Git, GitHub Actions, Fastlane, Tuist, SPM, CocoaPods, Docker, Firebase, Azure DevOps, Agile/Scrum

Focus Areas: Performance Optimization, Cross-Device Compatibility, Accessibility, Code Quality, Unit & Integration Testing

Languages: Turkish (Native), English (Upper-Intermediate)

Experience

iOS Developer, Pinsoft IT Solutions Consulting – Istanbul, TR 2024 – Present

- Developed screens and flows, performed bug fixes and maintenance on enterprise iOS projects (aviation maintenance and flight-ops apps) using **Agile/Scrum** methodology.
- Engineered **core service components** and background operations focusing on data synchronization, reliability, and **performance optimization across devices**.
- Implemented concurrency-safe logic using **Swift async/await** and handled race conditions in real-time data flows.
- Designed modular and reusable **infrastructure layers** using **Tuist** to decouple business logic from UI components.
- Wrote **unit and integration tests** using **XCTest** following **TDD** principles to ensure code quality and reliability.
- Maintained **CI/CD pipelines** using **GitHub Actions** and **Fastlane** for automated testing and distribution.

iOS Developer, Arvis Technology – Istanbul, TR 2021 – 2023

- Developed a production **identity-verification iOS SDK** including NFC document reading and face verification modules with focus on **cross-device compatibility**.
- Built **SDK components** with secure data processing, encryption, and asynchronous hardware communication (NFC, camera).
- Worked on the mobile side of a **WebRTC video-calling SDK** (call setup, media streaming, connection handling).
- Integrated **RESTful APIs** for identity-verification backend services and handled network error scenarios.
- Wrote comprehensive **unit and integration tests** to ensure SDK reliability across different iOS versions and devices.

Freelance iOS Developer – Remote 2020 – 2021

- Designed and developed custom iOS applications for small businesses and startups.
- Built a **restaurant ordering app** with real-time order tracking and push notifications.
- Developed a **fitness tracking app** using HealthKit integration and CoreData for local storage.

iOS Developer Intern, Arvis Technology – Istanbul, TR 2020 – 2021

- Assisted in developing iOS applications under senior developer supervision.
- Gained hands-on experience with **Swift**, **UIKit**, and version control systems.

Selected Projects

Aviation Maintenance App – Technician task tracking app built with **UIKit + Storyboard**. 2024 – Present

- Architected **business logic layers** for task management and automated data synchronization.
- Implemented concurrency-safe operations for handling real-time updates and background data processing.
- Improved application reliability by handling network failures and ensuring consistent state management.

Flight-Ops Messaging App – Real-time flight-crew messaging app using **UIKit, MVVM, XMPP**. 2024 – Present

- Built **real-time messaging infrastructure** with focus on concurrency and thread-safe communication.
- Integrated **RESTful APIs** and XMPP protocol for message delivery, retry mechanisms, and connection management.
- Debugged performance issues and optimized network usage for varying connection conditions.
- Wrote **integration tests** to ensure message delivery consistency and reliability.

Identity Verification SDK – Production iOS SDK with **NFC reading** and **face verification**. 2021 – 2023

- Developed **core SDK components** for secure identity verification with **performance optimization** across iPhone models.
- Implemented comprehensive **testing strategy** including unit tests, integration tests, and device compatibility testing.
- Managed asynchronous hardware interactions (NFC, camera) and ensured thread-safe processing pipelines.

Wimp – AI event-photo finder app built with **Flutter**; live on the App Store.

- Used on-device face recognition to surface a user’s own photos among hundreds shot at an event.
- Built the cross-platform UI and the face-registration and event-code download flows.

AssetOrganizer (GitHub) – Swift CLI tool detecting **unused assets**.

- Built a **system-level command-line tool** for static analysis of project assets.
- Implemented efficient file system scanning and data parsing algorithms to process large codebases.

Education

M.Sc., Electronics and Communication Engineering 2024 – Present
Yildiz Technical University, Istanbul

B.Sc., Computer Engineering (GPA: 3.1/4.0) 2018 – 2022
Istanbul Medeniyet University, Istanbul