

Alex Lykesas

Senior iOS Engineer | Architecture | Performance | Full Lifecycle Ownership

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PROFESSIONAL SUMMARY

Senior iOS Engineer with 10+ years of experience building scalable, high-performance mobile applications. Specialized in offline-first and real-time systems, with strong expertise in modern SwiftUI architecture, data synchronization, and performance optimization. Proven track record of owning features end-to-end, improving system reliability, and driving architectural decisions in cross-functional teams.

CORE SKILLS

Languages: Swift, Objective-C, Python

Frameworks & SDKs: SwiftUI, UIKit, Combine, RxSwift, WidgetKit, MapKit, WebRTC, CoreLocation, AVFoundation

Architecture & Patterns: MVVM, MVVM-C, Clean Architecture, Navigation Router / Coordinator, Dependency Injection

Data & Networking: Firebase / Firestore, REST APIs, WebSockets, Matrix SDK, Realm, URLSession, Offline-First Persistence, CoreData

Concurrency & Performance: Swift Concurrency (async/await, Actors, Structured Concurrency), Observation Framework, Instruments Profiling

Testing & Quality: TDD, XCTest, Swift Testing, SwiftLint

Accessibility: VoiceOver, Dynamic Type

CI/CD & Tools: Git, GitHub Actions, Bitrise, Xcode Cloud, Swift Package Manager

PROFESSIONAL EXPERIENCE

Freelance iOS Engineer | Remote | 2023 – Present

RSAC – Community & Security Chat App

- Designed a flexible SwiftUI navigation router with deep linking for a Matrix-based (E2EE) chat platform, contributing enhancements back to the open-source routing library
- Modernized concurrency using Swift actors, optimized memory with Instruments, and implemented CI/CD via GitHub Actions using Swift Testing, improving app performance for 3k+ users and accelerating release cycles

Vodafone – B2B Sales Platform

- Designed offline-first architecture with geofencing, offline chat, and WidgetKit widgets using Swift, Firebase, and REST APIs, enabling reliable field operations in low-connectivity environments
- Built lead routing with proximity-based notifications, visit scheduling, and KPI tracking, replacing a manual process and enabling real-time field coverage for 5k+ reps

Pegasus Consultancy – Live Surveillance App

- Developed a pure SwiftUI app for real-time camera monitoring via WebRTC/RTSP with PTZ/infrared controls, encounter tracking, map visualization, and playback
- Built a custom networking layer using URLSession and Swift Concurrency (async/await), with filterable event views and API sync retry logic ensuring no data loss in unstable networks

Senior iOS Engineer | League (Remote, Toronto) | 2022 – 2023

- Core contributor to the Messaging Team, leading implementation of real-time chat features with accessibility support using MVVM-C, Combine, WebSockets, and TDD within a healthcare platform serving 63M+ users
- Designed and delivered scalable messaging architecture with syncing logic and dependency injection, ensuring reliability and performance under high user load
- Played a key role in stabilizing the core design system, resolving critical UI and architectural issues impacting multiple applications
- Collaborated across teams to improve internal SDKs, fixing bugs and enhancing shared components used across client-facing apps

iOS Developer | Untis GmbH (Remote, Vienna) | 2021 – 2022

- Enhanced timetable management and absence tracking features with offline persistence for a platform serving 5M+ students and teachers, ensuring reliable functionality in low-connectivity school environments
- Modernized legacy codebase by migrating dependencies to Swift Package Manager and introducing SwiftLint, reducing build complexity and standardizing code quality across the team
- Automated CI/CD pipelines for iOS and Android using Bitrise, reducing deployment time by 30% and streamlining QA delivery

Team Leader / iOS Developer | Smartup (Thessaloniki) | 2016 – 2021

- Led iOS development across 15+ projects using Scrum, delivering scalable mobile applications supporting 20k+ active users from architecture through App Store deployment
- Designed and implemented app architectures using REST APIs and Firebase, ensuring reliable data flow and maintainable codebases
- Mentored 5+ developers and established development best practices, improving team productivity and delivery alignment across technical and business stakeholders

EDUCATION

MSc Artificial Intelligence – Aristotle University of Thessaloniki (2019)

BSc Informatics Engineering – University of Western Macedonia (2015)

LANGUAGES

English (C1) | **German** (Native) | **Greek** (Native)