

# Kirlos Yousef *Senior iOS Engineer*

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iOS Software Engineer with 5+ years of expertise in building scalable apps, SDKs, and AI-powered solutions. Proven success in performance optimization, Agile collaboration, and publishing 5+ apps on the App Store

## TECHNICAL SKILLS

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**Languages & Frameworks:** Swift, Obj-C, SwiftUI, UIKit, Combine, Core Data, Core Location, Swift Concurrency


**Architecture & Design Patterns:** MVC, MVVM, SOLID, Dependency Injection, Microservices

**Testing, Tools & Workflows:** Xcode, CocoaPods, SwiftPM, XCTest, XCUITest, Postman, Git, Fastlane, Agile

**Integrations & Services:** Firebase, Supabase, OpenAI, Stripe, In-App Purchase, Sign in with Apple, Google Sign-In

## WORK EXPERIENCE

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**iOS Software Engineer, Iomob - The Internet of Mobility (Remote)**  2021 – 2025 | Barcelona, Spain

- Built a scalable iOS SDK to unify 10+ mobility provider (including Uber, Bolt, and Via), cutting integration time by 40%
- Delivered 2 enterprise apps, implementing performance-first architecture and code quality standards
- Improved API performance using Combine and caching, reducing payload parsing time by ~25% in real-world tests
- Implemented rigorous unit testing for critical SDK components, ensuring reliability for enterprise clients

**Database Systems Teaching Assistant, University of Debrecen** 2019 | Debrecen, Hungary

- Taught Oracle SQL and database design to 20+ students, simplifying complex topics (e.g., query optimization)

## PROJECTS


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**RaceMe | iOS/watchOS, GPS-powered running app with real & AI competitors, live leaderboards, and social challenges** 

- Built AI BOTs to simulate human running behavior, enabling competitive races without requiring a large user base
- Implemented real-time leaderboards and social features (friend challenges, chat), achieving 99.8% message reliability
- Integrated gamification (leveling, milestones), boosting average session time to 15+ minutes

**LNER Door to Door | iOS, Journey planning app for the UK railway system** 


- Built geolocation services with Mapbox, improved user experience by reducing trip-planning load times by 35%
- Integrated Stripe payments with tokenization, cutting checkout time to 8 seconds and achieving PCI compliance
- Cached frequent route data, improving API efficiency and reducing server costs by ~20%

**AI SmartQuiz | iOS/iPadOS, AI-powered quiz app with custom dynamic quizzes** 

- Integrated OpenAI API to dynamically generate quizzes across 20+ topics, reducing question creation time by 70%
- Developed a custom topic engine, allowing users to input any subject and receive tailored quizzes in <2 seconds
- Introduced adaptive difficulty algorithms, increasing average session duration by 30%

**Focus4 | iOS/iPadOS, Productivity app with personalized AI suggestions** 

- Created a gamified focus tracker with streaks and calendar insights to boost user engagement
- Designed an interactive animated virtual bird companion, boosting daily app opens by 25%

**BrightBike/BrightLine | iOS, Bikeshare app for urban mobility in Palm Beach** 

- Designed a bikesharing system with real-time map clustering, GPS bike tracking, and dynamic pricing logic
- Optimized offline caching, enabling offline functionality for core features

## KEY ACHIEVEMENTS

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- Developed SDK adopted by 10+ enterprise clients (including Ford, Renfe, and Vueling)
- Delivered 35% latency reduction and 20% server cost savings through API and caching optimizations
- Published 5+ apps, including AI-driven solutions and productivity tools
- Led a team of 5 iOS developers to deliver 2 enterprise apps (geolocation, payments, offline functionality), ensuring alignment with technical and business goals

## EDUCATION

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**B.S. Computer Science, University of Debrecen**

2017 – 2020 | Debrecen, Hungary

- Graduated with the highest GPA in the class with a fully funded scholarship