

Khachatur Hakobyan

Senior / Staff iOS Engineer

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PROFESSIONAL SUMMARY

- Senior / Staff iOS Engineer with **12+ years** of professional iOS engineering experience since January 2014; expert in advanced architecture and system design; Bachelor's degree in Computer Science & Applied Mathematics.
- Delivered **20+ iOS applications and projects** in Swift, Objective-C and C++ across fintech, encrypted messaging, event ticketing, commerce and education, with a focus on performance, scalability and maintainable architecture.
- **iOS Team Lead at four companies**: owned architecture decisions, mentored junior engineers, and set code review, pull request and CI/CD standards while collaborating across engineering, product and QA.
- At Crypmoji, delivered a working **encrypted-messaging MVP in 4 days** that contributed to a reported **\$500K seed-funding outcome**, and resolved a year-long Swift-C++ memory defect, avoiding an estimated **1-2-year rewrite**.

WORK EXPERIENCE

KSF Technologies AG | Senior iOS Engineer

Nov 2021 – Present

- Re-architected authentication and login with OOP, POP, SOLID and SOA into a modular, testable system that **reduced authentication-related defects by 40%** and **doubled feature delivery speed (2×)**.
- Built a reusable Core SDK for Keychain, Core Data, application settings and dialog services, **reducing code duplication by 60%** and shortening development cycles by weeks.
- Contributed to Sony Music Artist Portal, Sony Music Studio, Sony Music GTA and Optiqo INSTA: interactive financial charts, shared components and Core NFC inspection.

Crypmoji | iOS Team Lead (Senior iOS Engineer)

Feb 2021 – Nov 2021

- Aligned the team on 3 delivery strategies and delivered a live **encrypted messaging demo in 4 days**, contributing to a reported **\$500K seed-funding outcome**.
- Resolved a year-long Swift-C++ memory-management defect by correcting unsafe ownership and pointer handling, saving an estimated **1-2 years of engineering effort**.

WiredMates | iOS Team Lead (Senior iOS Engineer)

Mar 2020 – Feb 2021

- Architected a reusable storyboard-based UIKit framework (IBDesignable, IBInspectable), reducing adaptive screen development time by **70% (10 to 3 hours)**.
- Engineered Stripe and Apple Pay integrations, reducing **checkout time by 70%**; mentored junior engineers and introduced pull request standards.

Xamlab | iOS Team Lead (Senior iOS Engineer)

Jan 2019 – Mar 2020

- Led the modernization from Xamarin/C# to native Swift with modular MVVM, POP and automated unit testing, achieving **98% test coverage**.
- Redesigned ticket validation into a streamlined QR scanning workflow, accelerating **ticket validation by 5-6×** and reducing **errors by over 90%**.

EDUCATION

Yerevan State University | Bachelor's, Computer Science & Applied Mathematics

Sep 2010 – Sep 2017

Harvard University | CS50 — Introduction to Computer Science (course)

Sep 2024 – Aug 2025

Meta | iOS Developer Professional Certificate

Sep 2023 – Sep 2024

TECHNICAL SKILLS

Programming Languages: Swift, Objective-C, C++, Objective-C++

iOS Frameworks & SDKs: UIKit, Storyboards, iOS Application Development, Custom UI Components

Architecture & System Design: iOS Software Architecture, Modular Architecture, SOLID Principles, Protocol-Oriented Programming

Networking & Persistence: Core Data, API Integration, Alamofire, Data Persistence

Testing & Delivery: Testable Architecture, Unit Testing, Azure DevOps, CI/CD

Leadership: Technical Leadership, Engineering Mentorship, Code Reviews, Cross-Functional Collaboration