

Emad Bayramy

Software Engineer | iOS Engineer

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Profile

Senior iOS Engineer with 8+ years of experience building large-scale Swift applications across banking, IoT, consumer electronics, and mobile platforms. Passionate about architecture, modularization, testing, performance, and developer experience. Experienced leading greenfield projects from concept to production.

Professional Experience

Marshall Group AB

iOS Engineer | [Marshall](#)

📅 2024 - Present 📍 Stockholm, Sweden 🔗 marshall.com

The company behind Marshall headphones, speakers and amplifiers.

Key achievements alongside a team of three:

- Led a greenfield iOS app from zero to production, defining a scalable, testable architecture.
- Leveraged AI-assisted coding tools for refactoring, testing, documentation, and rapid prototyping.
- Implemented HMAC-SHA256 request signing, AES-256-GCM payload encryption, and SSL certificate pinning for secure IoT device authentication.
- Abstracted BLE/Wi-Fi device connectivity behind clean, developer-friendly APIs.
- Implemented test automation and automated test for over 50 percent of the codebase.
- Improved pairing and reliability by 30% for connected devices across BLE and Wi-Fi.
- Modularized over 60% of the codebase into independent components/Swift packages for faster builds and easier maintenance.
- Introduced modern Swift, SwiftUI, and Swift Concurrency (async/await) patterns.
- Advocated for maintainable code standards and clear documentation to support long-term velocity.
- Built reusable platform components and Swift Packages shared across multiple app modules.

Daresay by Knightec

iOS Engineer

📅 2022 - 2024 📍 Stockholm, Sweden 🔗 daresay.co

Daresay is a digital agency. We design, build, launch and manage award-winning digital products and services for millions of people around the world.

iOS Engineer (Consultant) | [Länsförsäkringar](#) | 2022 - 2024 🔗 lansforsakringar.se

Länsförsäkringar is one of Sweden's well-known banking and insurance companies with millions of users. My achievements as a consultant:

- Bootstrapped SwiftUI module; migrated legacy flows to async/await + Combine; shipped features in a high-traffic banking app.
- Modernized legacy Objective-C components by migrating them to Swift, improving maintainability.
- Refactored, modularized and modernized over 15% of the app to improve maintainability.

iOS Engineer (Consultant) | [Enequi](#) | 2022 - 2024 🔗 enequi.com

Enequi is a home automation and energy saving company. My achievements as a consultant:

- Implemented features working with mesh network and BLE.
- Implemented new features using the latest Apple technologies like Async/Await, SwiftUI, Combine.

Freelance / Contract / Project / Consultant

iOS Engineer

📅 2016 - Present 📍 Stockholm, Sweden

Delivered iOS applications independently for clients across multiple industries, from concept to App Store release.

- Developed and maintained 10+ iOS applications.
- Selected projects include personal products [FocuTime](#), [Wournal](#), [The Spies Party Game](#), [Nowrouz AR](#) along with client applications including [SportMob](#), [Klutch](#), [P-Publication](#), [Photonic Signatures](#) and [AtroPay](#).

Education

[B.Sc of Computer Software Engineering](#)

Shamsipour University

2021

Find me online

[Github](#)

[in](#) [Linkedin](#)

[M](#) [Medium](#)

Languages

- English
- Persian
- Swedish

Certificates

• [Harvard CS50x Puzzle Day](#)

Harvard University | 2019 & 2020

• [Multiple swift and iOS Courses](#)

2018 - 2019

• [Green Software \(LFC131\)](#)

Linux Foundation | 2023

• [Problem Solving](#)

HackerRank | 2025

• [IELTS Academic](#)

2021 | Overall Band score: 6.5

Bornak GmbH

iOS Engineer

📅 2019 - 2021 📍 Augsburg, Germany 🔗 bornak.de

Bornak is a consultancy agency, offering highest quality products to the world.

iOS Engineer (Consultant) | [Scovr](#) | 2019 - 2021 🔗 scovr.com

Scovr is a unique social media app. My responsibilities as a consultant:

- Implementing a custom map.
- Reducing dependencies and size of the app by developing many components like a custom camera and Video compressor.
- Making better User Experience implementing multi-language localization.

iOS Engineer (Consultant) | [MicBeast](#) | 2020 - 2021 🔗 micbeast.com

MicBeast is a unique social media for finding talented artists. My responsibilities as a consultant:

- Implementing a custom video player.
- Reducing dependencies and size of the app by developing many components like a custom camera and Video compressor.

Setare Aval

iOS Developer | [Setare Yek](#)

📅 2018 - 2019 📍 Tehran, Iran 🔗 setareaval.ir

Setare Yek is one of the top five services and payment companies in Iran. It leverages USSD (*1#) and mega application for customers to buy the internet, charge their pre-paid sim cards, pay their bills and much more.

- Increased unit test coverage from 0% to 65% by developing architecture with MVVM+RX+Coordinator.
- Setting up a CD pipeline using Fastlane for continuous deployment.

Eniac tech

iOS Developer

📅 2017 - 2018 📍 Tehran, Iran 🔗 eniac-tech.com

Eniac is a digital agency. We worked in different industries but mainly banking. The apps I participated:

iOS Developer | [Traap](#) | 2017 - 2018

Traap is fan club app for a well-known Iranian football team called Tractor.

iOS Developer | [Bank Day](#) | 2017 - 2018 🔗

Day Bank is one of the Iranian banks.

Omid Analyzer

iOS Developer

📅 2016 - 2017 📍 Tehran, Iran 🔗 omid.ir

Omid Analyzer is one of the well known companies in Fintech in Iran offering trading platform and algorithms for block trading.

iOS Developer | [Block App](#) | 2016 - 2017

iOS Developer | [Signal \(BixoViser\)](#) | 2016 - 2017

Ghal'e Company

iOS Intern

📅 2016 📍 Tehran, Iran

Ghal'e was a digital agency and was participating with different good companies.

iOS Developer | [Flightio](#) | 2016

Publications

Medium Article

Differences between Protocol-oriented and Object-oriented Programming

[Better Programming](#)

Emad Bayramy - 2020 🔗 [Medium.com](https://medium.com)

Major differences between protocol-oriented and object-oriented programming, cons and pros and best practices

Skills

Languages

- Swift
- Objective-C
- KMP (Kotlin multi-platform)
- C/C++/C#
- Python

Apple

- SwiftUI
- UIKit
- Swift Concurrency (Async/Await)
- Combine / GCD
- SPM (Swift Package Manager)
- Instruments
- Xcode Cloud
- SwiftData
- Vision OS / AR / VR
- Animations

AI tooling

- Claude Code
- N8N
- Codex
- Cursor
- Local LLMs

Architecture

- MVVM
- TCA (Redux)
- MVC
- VIPER
- POP
- Coordinator
- Dependency injection
- Modularization
- Reactive Programming
- Declarative programming
- Functional programming
- SOLID Principles

Testing

- Test Automation
- XCTest
- Unit Testing
- CI/CD
- Swift Test

Networking

- BLE
- Rest APIs
- Socket
- SSL Pinning

Security

- iOS Security (jailbreak)
- Reverse Engineering (disassembly)

Other

- Git
- CI/CD Automation
- Fastlane
- Agile (safe)
- Embedded Development