Frank Oftring

iOS Engineer

PROFILE

Product-driven iOS Engineer with 3.5 years of experience in designing, developing, and scaling high-performance mobile applications. Self-taught and deeply technical, with a passion for building intuitive, high-quality products that deliver real value. Skilled in end-to-end app development, from architecture and performance optimization to backend integration and AI-driven personalization. Eager to apply my expertise to enhance and grow innovative mobile experiences.

SKILLS

Core Expertise

Swift, SwiftUI, Combine, async/await, MVVM, AVFoundation, Vision, real-time camera + media pipelines, offline-first architecture, local file I/O, performance tuning, S3 background uploads, Firebase, CI/CD (Xcode Cloud, TestFlight)

PROFESSIONAL EXPERIENCE

iOS Engineer, Senseye; Austin, TX — April 2022-Present

- **Product Owner, iOS App**: Hired as employee #25 and sole iOS engineer to build a high-performance clinical diagnostic app from the ground up—now used by thousands of patients and clinicians in IRB-approved PTSD studies.
- **Investor-Facing Prototypes**: Led a 2-week sprint to deliver a polished demo experience that directly contributed to securing $10M in Series A funding; scoped UX and implementation across product and ML teams.
- **Real-time Camera Compliance**: Built a Vision-based depth/alignment feedback system, doubling usable frames and boosting ML model accuracy while reducing manual data cleanup.
- **Offline-first Capture**: Delivered a fault-tolerant recording pipeline with full offline support; achieved 100% data recovery at low-connectivity clinics, saving ~$500 per patient in re-recruitment costs.
- **Remote-config Pipeline**: Replaced hardcoded protocols with a dynamic config system, cutting study iteration cycles from 2 weeks to under 24 hours.
- **UI Overhaul Coordination**: Drove a critical redesign across design, product, and research teams; balanced UX improvements with clinical data integrity under tight timelines.
- **High-Performance Data Capture**: Optimized 4K video recording, heart rate analysis, and JSON logging while ensuring smooth S3 uploads and reliable cloud sync.
- **Performance Tuning**: Profiled and resolved memory/CPU bottlenecks using Xcode Instruments, stabilizing frame rates across devices—including older iPhones.
- **Release & CI/CD Management**: Shipped dozens of TestFlight builds and production releases to TestFlight and the App Store; configured CI/CD via Xcode Cloud to streamline QA and accelerate development cycles.

PERSONAL PROJECTS

Dynamiq - AI-driven mobility and recovery app built in SwiftUI (2024)

- **Full-Stack Development**: Architected a Firebase-powered backend, leveraging Firebase Auth for secure authentication, Firebase Storage for media handling, and Realtime Database for dynamic program management.
- **AI-Powered Personalization**: Integrated OpenAI Embeddings API to deliver adaptive training recommendations based on athlete profiles and progress data, dynamically tailoring mobility and recovery routines.
- **Modern Swift Concurrency**: Implemented async/await for efficient data fetching and state management, ensuring smooth user interactions.
- **Monetization & Subscription Management**: Seamlessly integrated RevenueCat for in-app purchases, subscription handling, and revenue tracking.

EDUCATION

Babson College, Wellesley, MA — Bachelor of Science in Finance

INTERESTS

Mobile UX, Basketball, Longevity, Reading

Austin, TX | 774-273-1808

frank.oftring@gmail.com | frank.oftring.io