

NIKOLAI TRUKHIN

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SUMMARY

Senior iOS engineer (7+ years) and team lead (5 engineers) in fintech, e-commerce, and health. Led modularisation (**12** SwiftPM modules); improved reliability (crash-free **from 92.6% to 97.1%** in 6 months) and quality (**93% coverage**); App Store from **4.3 to 4.5**. Speaker & hackathon winner (**ETHGlobal London '24**, Volvo Cars Digital Challenge '22). **Global Talent Visa**.

SKILLS

Core iOS: Swift, Objective-C, UIKit, SwiftUI, Combine, RxSwift/RxCocoa, Swift Concurrency (async/await, actors), Core Data, SwiftData, Observation, GCD, Core Graphics, Core Animation, AVFoundation, StoreKit, Keychain, Core Bluetooth

Architecture & Patterns: TCA, MVVM, MVC, VIPER, POP, OOP

Networking & Data: REST APIs, GraphQL (Apollo iOS), Alamofire, Kingfisher

Quality, Observability & CI: Swift Testing, XCTest, Quick, Nimble, SwiftLint, CI/CD, Xcode Cloud, Firebase, Sentry, Datadog

Build & Tooling: SPM, CocoaPods, Tuist, Fastlane, Sourcery, Git, Xcode, TestFlight

Other: SnapKit, Lottie, C/C++, Flutter, Agile/Scrum, Jira, Confluence, Figma, Lokalise, Docker, ChatGPT

EXPERIENCE

Raiffeisen Capital

Senior iOS developer

May 2023 - Present

- An investment app for trading structured products (~\$1bn AUM)
- Raised crash-free users from 92.6% to 97.1% and boosted App Store rating from 4.3 to 4.5 in 6 months
- Launched e-signature; 27.2% MAU adoption in 4 months; cut median transaction completion time ~5x via async pipelines
- Increased team throughput by 41% (Jira Done/sprint, 3 months) by introducing Codex Web and pre-merge CI checks
- Implemented TLS certificate pinning and Face ID with fallback, achieving 99.9% successful authentication over 90 days
- Modularised app into 12 SwiftPM modules, reducing cognitive complexity by 35.3% (SonarQube, 3 month window)
- Technologies: UIKit, SwiftUI, SwiftData, Combine, GCD, SwiftLint, Sourcery, TestFlight, Stinsen, Tuist, MVVM

Gymber

Lead iOS Developer

Aug 2022 - May 2023

- A social app that boosts well-being through sport
- Managed a high-performing team of 5 iOS engineers and mentored 2 junior colleagues
- Reached 93% code coverage on new modules in 3 months using Quick/Nimble, plus snapshot testing in CI
- Cut p50/p95 API latency by 33.2% by rewriting the GraphQL layer with async/await and batching
- Introduced onboarding and code review workflow, cutting new developer ramp-up time by 46.7%
- Technologies: SwiftUI, Combine, GCD, SwiftLint, Stinsen, Quick, Nimble, XCTest, GraphQL, Apollo, Tuist, TCA

Eldorado

Senior iOS developer

Mar 2020 - Aug 2022

- An e-commerce app for a leading retailer (21% market share), ranked #1 on the App Store in its category
- Led Apple Pay integration, boosting mobile sales revenue and checkout conversion by 74%
- Integrated Tuist framework, effectively cutting testing time by half
- Implemented offline mode, increasing average session length by 18.1% and improving user retention

USGA

iOS developer

Feb 2018 - Mar 2020

- A companion app for a smart golf ball that measures course conditions
- Redesigned adaptive layouts, reducing support tickets by 59.6%
- Increased chart frame rate from 28 to 44 fps by optimising rendering logic using Core Graphics
- Collaborated with the firmware team to fine-tune Bluetooth performance, reducing data sync time by 76%

EDUCATION

The Russian Presidential Academy of National Economy and Public Administration

Sep 2020 - Jun 2022

Master's, Software Engineering

The Russian Presidential Academy of National Economy and Public Administration

Sep 2016 - Jun 2020

Bachelor's, Computer Science

AWARDS & ACHIEVEMENTS

1st place, ETHGlobal London, web3/Blockchain Hackathon, Mar 2024
1st place, Volvo Cars Digital Challenge, Hackathon, Oct 2022
Expert certificate, WorldSkills, Jun 2022

PUBLICATIONS

Swiftly Chatting: Building Chatbots with Botter, 2023
Coffee&code podcast episode, 2023
Hackathon will take you to Shanghai, 2021

PROJECTS

- PlantMe AR Catalogue - VisionOS app** - [Link to project](#)

2024 - Present

- An innovative app for visualising houseplants in your home using AR technology, with 500+ people on the waiting list
- NativePartialSheet - iOS library** - [Link to project](#)

2022 - 2024

- Open-source partial sheets library from iOS used by 300+ developers globally
- Botter - Framework** - [Link to project](#)

2021 - 2023

- Open-source cross-platform chatbot framework on SwiftNIO & Vapor integrated into 20+ companies worldwide