Agus Cahyono

Senior iOS Engineer | Swift | SwiftUI | Fintech & Crypto Product Engineering

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PROFESSIONAL SUMMARY

Senior iOS Engineer with 7+ years of experience building and scaling production-grade iOS applications across fintech, investment, crypto, healthtech, hospitality, marketplace, and consulting domains. Currently leading iOS engineering at Bareksa across critical investment modules and building the crypto platform in partnership with Triv. Strong expertise in Swift, SwiftUI, UIKit, Clean Architecture, MVVM, Combine, Swift Concurrency, API integration, design systems, performance optimization, testing, and CI/CD. Experienced in owning mobile development end-to-end from architecture and implementation through App Store release, with a strong focus on measurable product outcomes and cross-functional collaboration.

CORE SKILLS

- **Languages:** Swift, Objective-C
- **iOS:** SwiftUI, UIKit, Core Data, Core Animation
- **Architecture:** MVVM, Clean Architecture, VIP, VIPER, TCA, Coordinator, Repository, StartupTask
- **Concurrency:** Swift Concurrency, async/await, Actors, TaskGroup, Combine, RxSwift, GCD
- **Networking:** REST API, URLSession, WebSocket, API Integration, JavaScript Bridge
- **Tooling:** Swift Package Manager (SPM), CocoaPods, XcodeGen, xcconfig, Fastlane, SnapKit, Instruments, Git
- **Quality:** XCTest, XCUITest, SnapshotTesting, SwiftLint, CI/CD, Code Coverage, Performance Optimization
- **Product Engineering:** Design Systems, Analytics, A/B Testing, Deep Linking, Feature Flags, Accessibility

PROFESSIONAL EXPERIENCE

Bareksa — iOS Engineer

Jan 2024 – Present | Jakarta, Indonesia

- Lead iOS engineering across Gold, Stocks, Umroh, Mutual Funds, Onboarding, and Crypto modules for a major Indonesian retail investment platform.
- Building Bareksa Crypto in partnership with Triv as a standalone Swift Package covering Home, Explore, Asset Detail, Portfolio, Instant Buy, Swap, Withdraw, and Deposit, with deep links, unit tests, and snapshot tests.
- Reworking the crypto Deposit flow end-to-end: virtual account and e-wallet (DANA, GoPay, OVO) payment methods, backend-driven deposit instructions, e-wallet resume with order polling, and consistent Mutasi and Detail states for deposits that settle or expire mid-flow. Staking and Limit Order are next on the roadmap.
- Collaborate with product, design, backend, marketing, and QA teams to ship high-impact investment features, contributing to a 30% improvement in UX metrics.
- Built features across critical fintech modules, achieving a 20% improvement in engagement and process efficiency.
- Improved onboarding completion by 32% through UX iteration and cross-functional collaboration.
- Led iOS architecture and implementation for Nabung Rutin, a recurring investment feature with BCA bank integration, from architecture through App Store release.
- Built Product Showcase, increasing product page views by 28% and view-to-purchase conversion by 15%.
- Built SBN Awareness, increasing SBN page impressions by 45% and first-time SBN buyers by 30%.
- Built native iOS integration for Bareksa AI mutual fund portfolio analysis using SwiftUI, WKWebView, JavaScript Bridge, and Quantit API, increasing Mutual Fund engagement by 52%.
- Designed and built an iOS Design System for 50+ screens, reducing UI development time by 35% and visual inconsistency reports by 90%.
- Migrated dependencies from CocoaPods to Swift Package Manager, networking toward async/await, configuration to xcconfig, and code generation to XcodeGen.
- Refactored AppDelegate into StartupTask architecture and adopted UISceneDelegate; integrated MoEngage Rich Notification services.
- Built Bareksa Tools, an in-app developer and QA toolkit (Network Logger, Network Redundancy, Network Simulation, API Stub Tool, Simulate Push Notification, Webview Console, Event Tracker, Feature Flags, Bug Report), reducing manual debugging time by 60% per sprint.

Stockbit — iOS Engineer

Jun 2021 – Nov 2023 | Jakarta, Indonesia

- Developed and maintained production iOS features for a retail investing platform combining stock trading and investor community features.
- Shipped real-time stock trading functionality with complex state management and improved portfolio tracking through Watchlist Stock.
- Built social feed and community features for investor discussions and broader investor engagement.
- Developed and improved onboarding flows to streamline user acquisition.
- Built eIPO, enabling users to participate in IPO offerings directly from the iOS application.
- Built Stockbit Academy iOS, an educational platform for retail investors.
- Improved application stability and achieved a 99.5%+ crash-free rate.

SehatQ | RoomMe | DOT Indonesia | Consulting Projects — Senior iOS Developer
2015 – 2021 | Indonesia

- Built and maintained iOS applications across healthtech, hospitality, marketplace, and consulting domains.
- Owned end-to-end delivery from architecture design and implementation to App Store publishing.
- Collaborated with designers and backend engineers to ship production features on schedule.
- Improved application performance and stability through refactoring, code reviews, and reusable architecture.
- Progressed from junior to increasingly senior iOS responsibilities, taking ownership of complex modules and delivery.

SELECTED PROJECTS

Bareksa Crypto — Swift, SwiftUI, UIKit, RxSwift, Swift Package, XCTest, Deep Linking

- Building the iOS crypto platform in partnership with Triv, including a multi-method Deposit flow (virtual account, DANA, GoPay, OVO) with e-wallet resume and order polling. Staking and Limit Order are in upcoming scope.

Nabung Rutin — Swift, UIKit, MVVM, Combine, BCA API

- Led architecture and implementation of recurring investment onboarding, bank linking, scheduling, payment retry, and insufficient-funds handling. Shipped end-to-end in 8 weeks; increased recurring investment adoption by 21% and reduced bank-linking drop-off by 40%.

Bareksa AI — Swift, SwiftUI, WKWebView, JavaScript Bridge, Quantit API

- Built native iOS integration for AI-powered mutual fund portfolio analysis, combining native navigation, caching, offline state, session management, deep linking, and bidirectional native-web communication. Increased Mutual Fund engagement by 52%.

iOS Design System — SwiftUI, UIKit, Swift Package Manager, Figma

- Built reusable component and design-token systems for 50+ screens, including typography, spacing, motion, contribution guidelines, and Figma-to-code workflow. Reduced UI development time by 35%.

Bareksa Tools (Internal iOS Developer Tool) — Swift, UIKit, UserDefaults, Networking

- Built a debug-only developer and QA toolkit (v3.0.0, nine tools) including Network Logger, Network Redundancy, Network Simulation, API Stub Tool, Simulate Push Notification, Webview Console, Event Tracker, Feature Flags, and Bug Report. Reduced manual debugging time by 60% per sprint.

EDUCATION

UIN Maulana Malik Ibrahim Malang — Bachelor of Computer Science (S.Kom), Informatics Engineering
2010 – 2015 | Malang, Indonesia

ADDITIONAL

Technical Focus: iOS engineering, SwiftUI, Swift Concurrency, local-first architecture, SSL pinning, developer tooling, fintech and crypto product development, architecture, developer experience, and measurable product impact. **Portfolio:** agusc.my.id.