Muhammad Akbar Reishandy

Software developer building native Apple apps, the backend services behind them and the servers they run on.

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EXPERIENCE

Apple Developer Academy @ BINUS Junior Developer (Apple Platform) Mar 2026 – Present

- Led four team apps as tech lead (Oberron, CARA, QuickRoom and Findr): designed the architecture, reviewed code, wrote the core implementation and handled builds and releases.
- Built Findr, an on-premises system now in production at a government agency, with a Go backend, a Windows service installer and a SwiftUI client for Mac, iPad and iPhone.
- Collaborate daily in English with international teammates and mentors, and present our work at public exhibitions.

Telkom Indonesia Software Engineer Intern Sep 2025 – Dec 2025

- Built two internal web apps with Laravel and React, both deployed and in use: a field sales tracker and a showcase for company programs with a public page.
- Designed the sales tracker's architecture for 30 to 40 sales staff and 200 to 300 target locations, with a map view and a custom algorithm to assign staff.
- Taught a fellow intern web development while we worked on the same codebase, and handled day-to-day IT support.

Self-hosted homelab Server administrator 2023 – Present

- Run 10+ Docker services on a bare-metal Arch Linux server behind Nginx, including my own FastAPI and Laravel apps.
- Expose services and SSH through Cloudflare Tunnel, and use the server to learn Linux, security and deployment.

MTsN Kota Pasuruan Web Programming & AI Instructor Aug 2024 – Nov 2025

- Taught web development (HTML, CSS, JavaScript) and applied AI with Google Teachable Machine to 60+ middle school students through project-based lessons.

KKN Gentong 2025 Technology lead Aug 2025

- Led the technology work for a village community service program, building websites for a local business and a historical landmark, and a survey dashboard requested by the national statistics agency (BPS).

PROJECTS

Xylem Messenger FastAPI · MongoDB · Kotlin github.com/Reishandy/FastAPI-Xylem-Messenger

- Built an end-to-end encrypted messenger for my thesis, with a FastAPI server on my homelab and an Android client.
- Replaced passwords with Ed25519 signature-based sign-in, and implemented the X3DH key exchange on-device, with keys in the Android KeyStore and chat history encrypted by SQLCipher.

Oberron Swift 6 · SwiftUI · AVAudioEngine github.com/Project-Oberron/Oberron

- Led design and development of an App Store app that guides Attention Training Technique sessions with 3D audio.
- Integrated Siri, the Action Button, a Lock Screen widget and Control Center so users can start a session without opening the app, and added an OpenDyslexic font option.

Your Beacon Simulator SwiftUI · CoreBluetooth · CloudKit github.com/Reishandy/SwiftUI-YourBeaconSimulator

- Built and published an iBeacon toolkit for iPhone, iPad, Mac and Apple Watch that broadcasts virtual beacons, scans for real ones and monitors regions in the background.
- Synced projects across devices with SwiftData and CloudKit, and built a watchOS companion to control sessions.

SKILLS

Programming Swift, Python, PHP, TypeScript, JavaScript, Kotlin, Java, Go, SQL **Frameworks** SwiftUI, SwiftData, Laravel, FastAPI, React, Tailwind CSS, Jetpack Compose **Databases** PostgreSQL, MySQL, MongoDB, SQLite **Infrastructure** Linux, Docker, Nginx, Cloudflare Tunnel, GitHub Actions **Platforms** iOS, macOS, watchOS, Android, Web **Spoken** English, Indonesian

EDUCATION

Universitas PGRI Wiranegara B.Sc. Computer Science · GPA 3.95

Universitas Negeri Makassar Exchange semester · GPA 4.00

CERTIFICATIONS

Google IT Support Professional Certificate · CS50x (Harvard) · AWS Cloud Practitioner Essentials · CS50P (Harvard)