

ALFIN INDRAWAN

IOS DEVELOPER

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SUMMARY

Junior iOS Developer with nearly 2 years of experience in iOS app development. Trained at Apple Academy in comprehensive user, product, and business research to design objective, user-focused solutions. Skilled in implementing coding standards, developing innovative and accessible applications, and integrating mobile security fundamentals. Experienced in leveraging large language models (LLMs) to enhance app functionality and user experience.

PROFESSIONAL EXPERIENCE

Apple Academy Developer, Apple Developer

March 2024 - Present

Project 1 | Ustock: AI Food Management

Sep 2024 - Dec 2024

UI/UX Designer & iOS Developer

- Built local AI Model Whisper for voice command features and Apple Speech Framework when users are online.
- Reduced storage usage by 50% by using a quantized Whisper model (q5).
- Optimized RAM usage by switching to Apple's built-in Speech framework for online speech recognition, replacing the local Whisper AI model, reducing memory consumption by 90%.
- Boosted voice command accuracy by implementing fuzzy search with a 60% similarity threshold.
- Utilized Sentry for error and bug tracking in the production app, resolving 7 bugs, and integrated SwiftLint to ensure clean, organized code.
- Enhanced accessibility with Dynamic Text feature, ensuring a user-friendly experience for older adults.
- Published in App Store with 2 localizations (english and indonesia).

Project 2 | Rule20 Myopocket

Aug 2024 - Sep 2024

iOS Developer

- Conducted interviews with up to 8 participants for research, MVP testing, and final product validation.
- Designed a distraction-free and user-friendly solution through brainstorming with 5 collaborators.
- Implemented Dynamic Island to remind users every 20 minutes.
- Implemented Apple Notifications for timely user updates.

Project 3 | Fuel Economy Finder

April 2024 - May 2024

iOS Developer

- An iOS app designed to track vehicle fuel usage and calculate fuel economy, developed independently within 2 weeks with SwiftUI.
- Integrated Alamofire for seamless API data fetching, ensuring real-time updates.
- Leveraged CoreMap to accurately track user location and fuel consumption, enhancing functionality.
- Published in App Store.

Sistema Datapilar

Mar 2023 - Sep 2023

iOS Developer (Full Time)

- Created a proof-of-concept app integrating V-Key and ForgeRock for robust security with UIKit.
- Implemented 4 multi-factor authentications, push notifications, biometrics, email TOTP, and Single Sign-On (SSO) via ForgeRock, enhancing user authentication security.
- Conducted security testing by jailbreaking an iPhone using checkra1n, installing custom modules for keylogging and remote monitoring.
- Detected and mitigated 3 type of threats such as jailbreaking, keylogging, and application or library tampering, successfully securing data and files with V-Key encryption.
- Developed user journeys and scripts for SMS TOTP authentication, streamlining user verification in 2 clicks.
- Integrated Objective-C code into Swift.

IDCamp Scholarship

June 2022 - Jan 2023

iOS Developer (Seasonal)

- Built game ratings app with UIKit.
- Implemented Favorite features with Core Data for local database.
- Used Alamofire for seamless fetching Game Data API and kingfisher to fetch & caching images.

SKILLS

- **Programming Languages:** Swift, Bash, Typescript, SQL, HTML, CSS.
- **Frameworks:** SwiftUI, UIKit, Nextjs, CoreData, Alamofire.
- **Tools:** Xcode, VSCode, Postman, Figma, Docker, Trello, MySQL, Sentry, Ollama, Firebase.
- **Languages:** Indonesia, English (560 TOEFL Scores).

EDUCATION

Bachelor of Informatics Engineer

Aug 2020 - Aug 2024

Sepuluh Nopember Institute of Technology

- GPA 3.61

ADDITIONAL INFORMATION

- **Certifications:** iOS Developer Scholarship by Indosat Ooredoo Hutchison Digital Camp 2022.
- **Awards/Activities:** 1st Winner Economic Development Competition.