NGUYEN TUAN KHOI

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Mobile Developer with over 2 years of experience in delivering **high-quality cross-platform applications** with a strong focus on **product quality, performance, and user experience**. Confident in my ability to take ownership of end-to-end development and continuously improve through best practices. My near-term goal is to grow into a **Senior Mobile Developer**, capable of tackling complex challenges and delivering impactful solutions.

WORK EXPERIENCE

Freelance Full-Stack Mobile Developer   Jun 2025 - Present
003lab   Remote
- End-to-end development of a **Flutter mobile application** with **Firebase backend**
- Integrated **AI features**, **real-time chat**, and **push notifications**
- Set up **CI/CD pipelines** for automated build and release

Mobile Developer   Mar 2023 - Present
ExecutionLab   Tan Binh District, HCM
- Built **cross-platform Flutter applications** with focus on **performance** and **UX**.
- Integrated **native Android/iOS code** into Flutter via **platform channels**.
- Implemented **CI/CD pipelines** using **GitHub Actions** and **Fastlane**.
- Developed **real-time chat/messaging apps** with **Firebase**.
- Applied **OOP** and **design patterns** for **scalable, maintainable code**.

Flutter Developer Intern   Nov 2022 - Jan 2023
LECLE Vietnam   District 1, HCM
- Developed mobile features from **Figma designs** and **technical specifications**
- Assisted **backend team** in **bug identification** and **issue resolution**
- Applied **Clean Architecture** and integrated **RESTful APIs** using **Bloc**
- Learned to deliver **clean, maintainable, and reusable code**

EDUCATION

Bachelor of Engineering in Software Engineering   Sep 2020 - Nov 2024
University of Information Technology (UIT), Vietnam National University, Ho Chi Minh City   **GPA:** 8.42/10
- **Graduated** with **Honors**
- **Relevant coursework:** Data Structures and Algorithms, Database Systems, Software Engineering, Mobile Application Development.
- **Built a strong foundation** in **object-oriented programming (OOP)**, **data structures**, and **algorithms**. Specialized in **software architecture**, **design patterns**, and **cross-platform mobile development**, with a focus on **state management** techniques.

PROJECTS

Viet Speak   Jul 2025 - Present
Description: An AI-powered mobile application available on the App Store **and** Google Play, designed to help foreigners learn Vietnamese through famous local landmarks, seamlessly combining vocabulary learning with real-world travel experiences.
Team Size: 3
Technical Skills: Flutter, Dart, Riverpod, Firebase.
Responsibilities:
- Led **end-to-end development** of all core features of the mobile application
- Integrated **Google Maps** for location-based learning experiences
- Implemented **Azure OpenAI** with **Google TTS/STT** for AI-powered interaction
- Developed **push notifications** to enhance user engagement
- Added **in-app purchase** for premium subscription management

Gimic SNS   Oct 2023 - Oct 2025
Description: A mobile communication and task management platform for clinics, enabling real-time messaging, task assignment, and team collaboration. **Available on the** App Store (JP) **and** Google Play.
Team Size: 10
Technical Skills: Flutter, Riverpod, Flutter Hook, Firebase, RestfulAPI.
Responsibilities:
- Led end-to-end development of a **Flutter-based communication and task management app** for healthcare professionals with chat, tasks, and collaboration features.
- Built **real-time messaging** using Firebase.
- Integrated **AppsFlyer OneLink**, **Fastlane CI/CD**, and **Firebase Cloud Messaging** for a production-ready workflow.
- Implemented **video editing**, **file sharing**, and **subscription management** for premium users.
- Applied **Clean Architecture**, **Riverpod**, and **Freezed** for scalable, maintainable code.
- Replaced **FFmpegKit** with **native solutions**: **Media3** (Android) and **AVFoundation** (iOS) for **video trimming**.

TE Chatbot   May 2025 - Aug 2025
Description: A generative AI chatbot designed for internal company use.

Team Size: 5

Technical Skills: Python, FastAPI, Agno.

Responsibilities:

- Developed backend APIs for chatbot communication and AI responses
- Implemented Retrieval-Augmented Generation (RAG) policies
- Built file input processing workflows
- Created and managed tasks in the backlog system

Easy Video Editor Plugin ⬀   **Mar 2025 - Mar 2025**

Description: Easy Video Editor – A lightweight, **FFmpeg-free** Flutter video editing plugin for Android & iOS with **7,000+ downloads on pub.dev**

Team Size: 1

Technical Skills: Flutter, Kotlin, Swift.

Responsibilities:

- Developed a Flutter plugin for video editing using **native APIs** (Media3 for Android, AVFoundation for iOS), replacing FFmpeg to improve performance and reduce app size.
- Implemented key features: video trimming, merging, compression, audio removal, and thumbnail generation.
- Designed a **builder-pattern API** for intuitive and flexible video editing workflows.

Offwork   **Apr 2023 - Sep 2023**

Description: A mobile application designed for internal company management, allowing employees to submit requests, track work activities, and receive company announcements.

Team Size: 5

Technical Skills: Flutter, Dart, Riverpod, Flutter Hook, Firebase, RestAPI.

Responsibilities:

- Developed core features including **leave request forms** (Post Form) and **work activity heatmap** (Post Heatmap) for visualizing daily engagement.
- Implemented **push notifications** to deliver important announcements from the company to employees.

SKILLS

Framework: Flutter, React Native, FastAPI

Programming: Dart, Kotlin, JavaScript, Python, TypeScript

Architecture & Patterns: Clean Architecture, SOLID Principles, OOP, Design Patterns, Bloc, Riverpod, Redux

DevOps & Version Control: Git, GitHub, GitLab, CI/CD (GitHub Actions, Fastlane)

Tools: Visual Studio Code, Android Studio, Xcode, Sourcetree, Postman

CERTIFICATIONS

TOEIC Reading & Listening 650/990 ⬀ by **IIG Vietnam**   **Jul 2024**
TOEIC Speaking & Writing 260/400 ⬀ by **IIG Vietnam**   **May 2024**