

Hieu Nguyen

Mobile Developer

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Profile

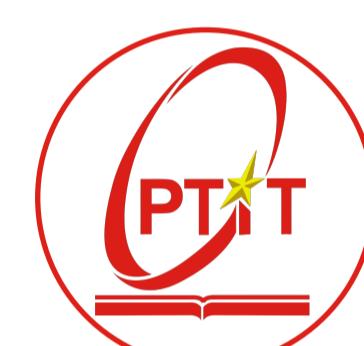
I'm a Mobile App Developer with experience in native mobile app development. Throughout my career, I've built many **Android** applications, most of them with **Jetpack Compose**. After that I got into native **iOS** development using **SwiftUI** and have developed a few iOS apps since.

Experienced in solving both UI problems and logic problems, I've created a large amount number of **custom UI** components, designed many databases and used countless tools to achieve desired outcomes.

I strive to develop intuitive, user friendly apps while maintaining **simplicity** and **performance** of said apps. At the same time I try to learn **new technologies** and best practices to enhance the app development.



Education and Certificates



Posts and Telecommunications Institute of Technology (2016 - 2021)
Bachelor of Engineering in Computer Science
GPA: 3.6/4.0



Test of English for International Communication
Score: 925 / 990



Technical Skills



Common Mobile Development

- Build elegant and performance UI using both **Jetpack Compose** and **XML Views** (Android) and **SwiftUI** (iOS).
- Creating custom UI components or custom animations to suit the requirements.
- Design suitable, clean and scalable app architecture using **Model-View-View Model (MVVM)**.
- Applying **multi-modules** (Android) and **multi-packages** (iOS) app architecture.
- Design and implement databases using **Room** database (Android) and **GRDB.swift** (iOS).
- Use dependencies injection tools: **Hilt**, **Koin** (Android) and **Swinject** (iOS).
- Handle custom graphic components using **OpenGL** (Android) and **Metal** (iOS).



Android Specific

- Integrate C and C++ code into development using Android NDK.
- Handle network calls using **Retrofit** or **Ktor**.
- Create, edit or play media using Android Native **Media3** framework.
- Handle **Google Play Store Console** account and policies.
- Expert in implementing monetization with **ads** and **in-app purchases**.
- Develop and publish libraries and SDKs for internal use.
- Integrate local **Tensorflow Lite AI models** into the app.
- Optimize app performance with **Baseline Profile**.



iOS Specific

- ▶ Handle **App Store Connect** app deployment and policies.
- ▶ Implement monetization with **ads** and **in-app purchases**.
- ▶ Use **SwiftGen** tool to generate compile time type safe resources.



General and Others

- ▶ Strong understanding about application **architecture** as well as using appropriate tools to achieve the result.
- ▶ Skillful in **OOP, design patterns, data structure and algorithm**.
- ▶ Use many tools such as **Git, Firebase, Docker, AWS** and **GCP** for development purposes.
- ▶ Write code in other languages such as **Python, Javascript** or **C++** for other tasks such as mass data manipulation or simple websites.
- ▶ Take part in **monetization analyze sessions** to pin-point problems and optimize show rate and eCPM (for Ads) and purchase rate (for IAP).



Work Experiences

Jun 2023 – Oct 2025

Apero Technologies
Group & Astronex JSC



Mobile Software Developer

Started as Android Software Developer. Later got into developing iOS applications using SwiftUI to expand market reach. Ultimately promoted to technical expert title in the company.

- ▶ Implement Android native applications and libraries.
- ▶ Implement iOS native applications using SwiftUI.
- ▶ Troubleshoot and optimize Ads and IAP monetization in apps.
- ▶ Offer both non-technical and technical recommendations and advices throughout apps development flow.

May 2022 – Jun 2023

Trek2000 International



Android Software Developer

Develop Android software products from scratch. Participate in new ideas research as well as improve current products.

- ▶ Developed Android application to unlock encrypted usb device using biometrics and bluetooth low energy (BLE).
- ▶ Developed Android application to receive, control and livestream from a flashlight with embedded camera.

Apr 2021 – May 2022

Samsung Vietnam
Mobile R&D Center



Android Framework Engineer

Take part in developing, maintaining and improving company's mobile graphics framework. Look into ways to improve graphics performance in Company's mobile devices.

- ▶ Research new inventions to be applied into the mobile phone.
- ▶ Achieved Professional title in Algorithm tests.

Projects



Muslim Prayer ([Android](#) & [iOS](#))

An Utilities app for Muslim: Qibla Compass, Quran, Prayer Times, Hijri Calendar...

Details Android: vanhieunguyen21.github.io/#/project/muslimprayer

Details iOS: vanhieunguyen21.github.io/#/project/muslimprayerios



Retica - Photo Editor ([Android](#))

A photography app, allowing capturing, editing images and more...

Details: vanhieunguyen21.github.io/#/project/retica



Mirae - Video Editor ([Android](#))

A video app that lets you record, create and edit videos with many features...

Details: vanhieunguyen21.github.io/#/project/mirae



Charme - Photo Editor ([iOS](#))

A photography app, allowing capturing, editing images and more...

Details: vanhieunguyen21.github.io/#/project/charmeios



Retro Emulator ([Android](#))

An emulator application that lets you play retro games such as Gameboy, Nintendo, Atari...

Details: vanhieunguyen21.github.io/#/project/retroemulator



Heka - Calories Counter ([Android](#))

A health app that lets you scan your meal to analyze its nutrient and help you control your nutrient.

Details: vanhieunguyen21.github.io/#/project/heka



Bluen - Collage Maker ([Android](#))

A photography app focusing on assembling multiple images into one.

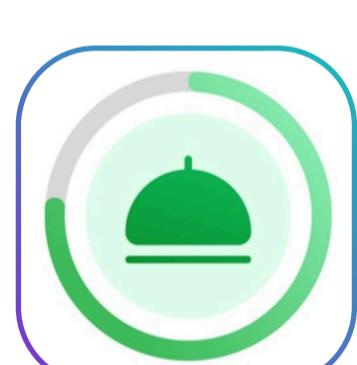
Details: vanhieunguyen21.github.io/#/project/bluen



QR Scanner ([Android](#))

Lets you scan QR codes and categorize them. Provide other tools such as create QR Code and scan documents.

Details: vanhieunguyen21.github.io/#/project/qrscanner



Nutrigen - Meals Generator and Calories Calculator ([Android](#))

A health app that lets you generate your meals based on your preferences and monitor your diet progress.

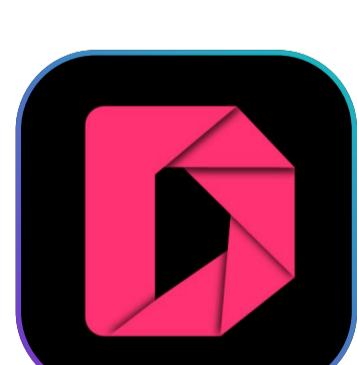
Details: vanhieunguyen21.github.io/#/project/nutrigen



Blood Sugar ([Android](#))

A health app that records blood sugar, blood pressure, heart rate records and create your medicine reminders..

Details: vanhieunguyen21.github.io/#/project/bloodsugar



DramaPop ([Android](#))

A video streaming app that lets users stream short videos from server.

Details: vanhieunguyen21.github.io/#/project/dramapop



Viridis AI Art ([Android](#))

Lets users turn their images into styled AI generated images. Also support drawing to elevate imaginations.

Details: vanhieunguyen21.github.io/#/project/viridis



She Calendar - Period Tracker ([Android](#))

A health that helps predicting Women Period days along with abilities to note symptoms, view historical data or set reminders.

Details: vanhieunguyen21.github.io/#/project/shecalendar