# Trong Le Ba  *Android developer*

✉ dev.trongle@gmail.com     📞 +84 822 688 446

📍 Ho Chi Minh, Viet Nam     in tronglb

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## Profile

- 5+ years of experience in Android programming with knowledge of Java.
- 3+ years of experience in Android programming with knowledge of Kotlin.
- 1+ years of experience in Android programming with knowledge of Jetpack Compose.
- Experience in Software Architecture Patterns, Testing, Asynchronous Programming, App Publishing, Google Services, DI, NodeJS, NestJS, Leadership, etc.

## Education

| | |
|---|---|
| 2015/08 – 2019/05 | **Bachelor of Software Engineering**<br>*Vinh Long university of technology education* |

## Certificates

- Google Play Academy - Store Listing Certificate ⧉
- Android Kotlin Developer by Udacity. ⧉
- AI Programming with Python by Udacity ⧉
- Agile Software Developer by Udacity ⧉
- Native Apps Development by FPT. ⧉

## Professional Experience

**2022/04 – present**    **FPT Software Company**
*Android developer*

- Lead a team (6 members) to maintain and develop new features for a healthcare application (over 900K LOC) following each release phase on Google Play Store.
- Estimate the time to complete the task and assign work to team members to ensure the quality and release time of the new feature.
- Write Unit Tests for the code snippets in the project.
- Reviewing team members' source code.
- Effective task assignment and team management.
- Mentoring new team members as directed by the company.

**2020/09 – 2022/01**    **ALO360 Company**
*Android developer*

- Work independently to develop applications.
- Developed mobile applications for smartphones, smart TVs, and advertising screens.
- Managed app updates on Google Play Store.
- Deployed and provided support for customers using the application.
- Integrated separate modules and used NDK for automating device management, such as AI cameras and scheduled shutdown times.

**2019/08 – 2020/01**    **1BYTE Software Company**
*Android developer*

- Collaborated with external APIs and data sources.
- Developed Android apps using technologies like Google Maps API, Google API, Firebase, etc.
- Applied object-oriented programming, design patterns, and MVC architecture.

## Awards

2023             **Best-performance Android developer in 2023 at GST.SUN.**
*FPT Software Company*

2020             **Outstanding Employee of the Year 2020.**
*1Byte Software Company.*

## Skills

**Programming languages**
Java, Kotlin, TypeScript.

**Dependency Injection**
Dagger2/Hilt, Koin.

**Data Persistence**
SQLite, MySQL.

**UI Development**
Jetpack Compose, Custom View Components.

**Asynchronous Programming**
RxJava, Coroutine, Multi-threading.

**API Integration**
RESTful APIs.

**Testing**
Unit testing, UI test automation.

**Architectural Patterns**
MVVM, Clean Architecture.

**Google Services**
Firebase, Map APIs, Google AdMob, Backup/Restore, etc.

**Leadership**
Project Team Leadership.

**App Publishing**
Google Play Store

**IDE**
Android Studio, Postman, SourceTree, Figma, etc.

**Source Code Management**
Git

**Task Management**
Jira

## Projects

**Healthcare app**
*FPT Software Company*
- Team size: 45.
- Role: Android team leader (6 members).
- Customer: Japan.
- Language: Java, Kotlin.
- Architecture: MVVM.
- Database: SQLite.
- Technologies: Restful API, Authentication, Google Firebase, BLE, Dagger2, RxJava, etc.
- Description: Developed new features for the Health Care mobile application (over 900K LOC). This app collects measurement data from healthcare-compatible devices and provides an easy-to-use dashboard for users to track their progress.
- Main responsibilities:
  - Discussed the feasibility of release phases.
  - Writing unit tests for my tasks to ensure code quality.
  - Estimated task completion time for each release phase.
  - Divided tasks among team members.
  - Trained new project participants.
  - Developed new features in the application such as notifications, database queries, and user data collection from devices.

**Comics app** ⬈
*Self-employed*
- Team size: 1.
- Role: Full-stack developer.

- Language: Kotlin, TypeScript, SQL.
- Architecture: MVVM **(Guide to app architecture ⌐ )** for android app, MVC for backend api.
- Database: SQLite, MySQL.
- Technologies: NestJS, Restful API, Google AdMob, Android Room, Google Firebase, Koin, In-app purchases, Push Notification, Coroutines, Jetpack Compose, Datastore, WorkManager, Local Caching, Multi-screens, etc.
- Description: A comic and novel reading application - available online or offline. This personal project aims to update new technologies and improve missing programming skills. The application is available on the **Google Play Store** ⌐ and a deployed **web landing page** ⌐ with over 35K downloads, more than 10K active devices, and over 3K daily active users.
- Main responsibilities:
  - Built the backend using MySQL, NestJS and deployed it on hosting to provide APIs for the Android application.
  - Developed functionalities for reading stories, downloading images, caching data, Google AdMob integration, etc., for the Android app.
  - Published the application on Google Play Store, ensuring compliance with AdMob and Google Play policies.
  - Collected user feedback to fix bugs and enhance, develop new features for the application.

**Advertising app** ⌐
*ALO360 Company*
- Team size: 6.
- Role: Android developer.
- Language: Java, Kotlin.
- Architecture: MVC.
- Database: SQLite.
- Technologies: Restful API, Android Room, Google Firebase, NDK, Local Caching, Event-bus, Multi-threads, Multi-screens, etc.
- Description: Developed an app for playing videos and photos on demand from the server, scheduling device on-off, and integrating Vantech's AI camera for customer statistics.
- Main responsibilities:
  - Participate in developing applications on the company's advertising screens.
  - Support customers to use and collect customer opinions.
  - Update and distribute applications to the company's Google Play Store

**Familly app.**
*1BYTE Software Company*
- Team size: 3.
- Role: Android developer.
- Language: Java.
- Architecture: MVC.
- Database: SQLite.
- Technologies: Restful API, Google AdMob, Android Room, Google Firebase, Google Map, Services, Custom View, Local Caching, etc.
- Description: Created a real-time app for sharing family member information, texting family members, creating safe zones, and sending emergency alerts when needed.
- Main responsibilities:
  - Developed map functionality.
  - Real-time location tracking on the map
  - Redrawn user movement history on the map
  - Calculated speed when users moved, and provided notifications when users entered designated areas on the map.