



## Duc Nguyen

Android Developer

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## CAREER OBJECTIVE

Accumulate experiences about technical and management skills for myself, leverage my expertise and use it to improve the software development process at company

## SKILLS

- Java
- Kotlin
- Algorithms
- Design Pattern
- SOLID
- Clean Code



## EDUCATION

### HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

Major: Electronics and Telecommunications Engineering

Degree classification: Good

SEP 2015 - OCT 2019



## BRIEF

- 4+ years experience in Software development.
- Experience with building and developing complete Android applications.
- Understanding about Android lifecycle and components.
- Experience with modern architecture, design pattern, SOLID Principles and clean code.
- Basic understanding about Data Structures and Algorithms.
- Experience in using Git, Github, SVN, Gerrit, Perforce.
- Understanding in writing Unit Test (JUnit 4/5, MockK).
- Have a knowledge about basic UI/UX and able to use Figma.
- Experience in publishing app to Google Play Store.
- Experience in managing a small team (3 - 4 members).
- Good teamwork or independent.



## WORK EXPERIENCES

### SAMSUNG R&D VIETNAM CENTER (SRV)

Android Developer

JUN 2019 - NOW

#### Samsung MyFiles

<https://play.google.com/store/apps/details?id=com.sec.android.app.myfiles>

- Description: App manages all the files, just like a computer file explorer with ability manage files from storage, SD card, USB drives and Cloud (OneDrive, GoogleDrive) at the same time.
- Team size: 8
- Responsibilities: Be responsible for Implementing functions follow by UI/UX for this app on Android OS (8 - 14), working with Cloud API (GoogleDrive & OneDrive), optimizing database, improving performance, reducing memory leak, writing unit test (JUnit, Mockito, PowerMockito).
- Used technologies: Java & Kotlin, Clean Architecture, MVVM, Room Persistence, Cloud API.

#### Galaxy Watch Plugin - Storage Manager, Music Transfer

<https://play.google.com/store/apps/details?id=com.samsung.android.waterplugin>

<https://play.google.com/store/apps/details?id=com.samsung.android.heartplugin>

- Description: SDK Plugin to support to manage files, transfer media (photo & music) with Galaxy Watch 4, 5, 6.
- Team size: 3
- Responsibilities: Managing and participating in a team of three developers to build a app Wear Plugin platform can transfer media from Watch to phone and vice versa, improve performance when load & transfer media (using stream and coroutine).
- Used technologies: Kotlin, Coroutine, Flow, Watch Plugin, MVVM, Room Persistence.

### XL APPS STUDIO

Android Developer

AUG 2020 - NOW

#### Video Player HD Format

<https://play.google.com/store/apps/details?id=com.xlteam.free.video.player>

- Description: An app can play all video formats including 4K & 8K Ultra HD with high resolution, manage video (recent history, add to favorite, rename, delete, share,...)
- Used technologies: Java, RxJava2, ExoPlayer.

### MeShow - Photo Slideshow

<https://github.com/dbackspace/MeShow-preview>

- Description: A powerful tool that allows you to create videos from hundreds of beautiful and impressive photos in your photo collection, with hundreds of transition effects, filters and lively, attractive music.
- Used technologies: Kotlin, Coroutine, MVVM, FFmpeg, OpenGL Transitions, Amazon S3 - Storage.

### GPS Tracker & Friend Locator

<https://play.google.com/store/apps/details?id=com.gps.locator.phonetracker.friendlocator>

- Description: An application to facilitate users in easily finding and connecting with friends on the map by sharing real-time locations, creating safe or unsafe zones to alert others, and searching for useful locations near their current position.
- Used technologies: MVVM, Kotlin, Coroutine, Google Maps API, GPS Location.

### Analyze Storage - File Manager - Smart Booster

<https://github.com/dbackspace/Analyze-Storage-preview>

<https://play.google.com/store/apps/details?id=com.xxx.aecaysung.filemanager>

<https://github.com/dbackspace/Smart-Booster-preview>

- Description: Combo apps allows users to analyze memory, find unused apps, filter duplicate files, large files, old files by category and easily delete to free up memory, manage files with multiple operation....
- Used technologies: Kotlin, Coroutine, Flow, Clean Architecture, Firebase, 3rd party libraries.

### Car Launcher (Tmas Auto & Safety Company)

<https://www.youtube.com/watch?v=w8rKgscY8oU>

- Description: Building a car launcher with some basic features: support multi-screen resolution, support for Android Box device, weather forecast, apps management, media player, tire-pressure warning, collision warning, keep lane.
- Used technologies: Kotlin, Coroutine, MVVM, Retrofit (Open Weather API), Media Player, AIDL, Bluetooth SDK, Google Fused Location API.



## PRIZES AND AWARDS

Certificate for Advanced Android Programming Training by Hana Financial Group.

**JAN 2019**

Samsung S/W Certificate Professional Programmer (Data Structures & Algorithms).

**APR 2022**

Attended TRIZ Creative Problem-Solving course by Samsung.

**SEP 2023**