



# Hiep Nguyen

Android Application Developer

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## TECHNICAL SKILLS:

<b>Programming Languages</b>	: C++, Java, Kotlin, Golang
<b>Source version control</b>	: Git, SVN
<b>Development Tools</b>	: Eclipse, Android Studio, IntelliJ IDEA
<b>Project Management</b>	: Jira
<b>Databases</b>	: SQLite, Realm, MySQL
<b>Debugging Tools</b>	: DDMS V5.0, Log cat, J Unit v 4.12.
<b>Methodologies</b>	: Waterfall and Agile
<b>Design tolls</b>	: Photoshop, Sketch
<b>Web Technologies</b>	: HTML, CSS, XML
<b>Operating Systems</b>	: Windows XP/Windows Vista/7/8/10, macOS

## EDUCATION BACKGROUND:

FPT POLYTECHNIC – FPT UNIVERSITY

Specialized: Mobile Programmer

### Achievements:

- Excellent level, Fall 2013 semester
- Excellent level, Spring 2014 semester
- Good level, Spring 2015 semester
- The 1st rank at the subject Web design
- The 1st rank at the subject Project 1
- Team leader of Tutor Key: Support students in learning
- Get the Hessen scholarship (Germany)

## SUMMARY:

- More than 4 years of Software Design and Development Experience the **Android Application Development** with equivalent knowledge in **Java development**. As well as the knowledge of **testing** and **deployment of Native applications**
- Good experiences in Android App Development with Android SDK by using **Eclipse IDE**, along with the **Android Studio**

- Good experience in working with the GUI components like **Fragments, layouts, widgets, alert notifications, list view and menus, custom view components**
- Hands on experience in **Activity, Intents, Android services, Shared Preferences, Broadcast Receivers, Content Provider**
- Excellent programming skills in object oriented concepts such as **Encapsulation, Polymorphism, Abstraction, and Cohesion**
- Experience in using **Kotlin**
- Experience in using **design pattern** as **MVP, MVVM** and **Android Architecture Components**
- Experience in implementing the database by using **Realm** and **SQLite**
- Experience in working from API 14 to API 28
- Experience in **Android Bluetooth Lower Energy** and **NFC**
- Experience in various phases of software development life cycle like **planning, designing, implementing, testing and deployment.**
- Experience in creating Relational DB Android
- Experience in web service protocols such as **HTTP-REST, HTTP-SOAP**
- Experience in web service data formats such as **JSON, XML**
- Excellent knowledge Android Framework APIs like **Google Maps API, MediaPlayer, Bluetooth, Camera, MediaRecorder, SmsManager**
- Good knowledge about **android material design**
- Experience in **Android Push Notifications, Firebase Cloud Message.**
- Experience in using third party libraries like **Retrofit, Glide, Butter Knife, Gson, OKHTTP3, Exoplayer**
- Experience in **Android Dagger**
- Experience in **Gradlew**
- Experience in **RxJava** and **RxAnroid** a library for composing asynchronous and event-based programs by using observable sequences
- Experience in **YouTube API, Facebook API, Twitter API. Facebook oauth, Google oauth and Microsoft Office 365 oauth**
- Good knowledge in **Jenkin**
- Good knowledge in **RSA encryption and AES 256**
- Having knowledge in **Android Socket IO**
- Having knowledge in **Android NDK**
- Examined some issues independently and came up with the solutions efficiently to solve problems while balancing work priorities with development project needs
- Cohesive team worker with problem solving and interpersonal skills
- Customer oriented
- Place the responsibility above all
- Highly enthusiastic in learning and working in a professional environment
- Dedicated team player, self-learner, quick learner, and self-starter and excellent debugging and design skills
- Knowledge of these building blocks is necessary to decide how to implement your specific Google Play Billing solution

## **PROFESSIONAL EXPERIENCE:**

**FPT Software**  
**Android Developer**

Nov 2017 – now

**Project Name: myFsoft**

**Team size: 17**

**Position: Android Team lead (Technical lead)**

Working on myFsoft Android app on the Core team – Performance team.

- Identifying core bottleneck issues in major flows in our app by profiling and using different tools(inhouse logging frameworks, Android profiler)
- Leading, coding and responsible for introducing framework and coding major changes to reduce wait time for users such as: upgrade the imagin library and layer(switch from Picasso to Glide and linearlayout to ConstraintLayout) and improvements such as caching and prefetching.
- Maintaining and upgrading our logging framework in the app to get up to date data on our users time interactions. I'm also responsible for investigating regressions introduced by code and new features.
- Coding and maintaining unit tests and espresso tests to test out major interactions and the time it takes for them to complete
- Build and develop base Android Architecture Components design pattern
- Coding in both Java and Kotlin, using RxJava and Android Architecture Components.
- Manage your activity and fragment lifecycles with Lifecycles
- Notify views when underlying database changes with LiveData
- Handle everything needed for in-app navigation with Navigation
- Using Paging library for list view
- Manage UI-related data in a lifecycle-conscious way with ViewModel
- Using Google Dagger
- See more of my sample on <https://github.com/hoanghiephui/Android-Architecture-Component>

**Project Name: VNA-New**

**Team size: 15**

**Position: Android Team lead (Technical lead)**

**Project Description:**

Add more features on the existing application:

- Booking online
- Lotus miles
- Redeem miles
- Flight status
- Airport maps
- Redemption

**Responsibilities:**

- Got requirement from customer.
- Build and develop base **Android Architecture Components** design pattern

- Coded base for team
- Used Retrofit, RxJava, Realm, Kotlin, Dagger...
- Used Kotlin and Java languages
- Performed code review
- Monitoring, process reports
- Used SVN to control source code versions

**Environment/Tools:** JDK, Android Studio, Android SDK

**Project Name:** VNA-Trip-Notification – VNA Login with Facebook

**Team size:** 5

**Project Description:**

Add more features on the existing application:

- Trips management
- Trips notification
- Membership registration via account Facebook

**Responsibilities:**

- Got requirement from customer.
- Coded received the Trips Notifications on Android based on Firebase Cloud Message
- Used Retrofit, RxJava, Realm
- Performed code review
- Used SVN to control source code versions

**Environment/Tools:** JDK, Android Studio, Android SDK

**FPT Software**

Sep 2017 – Nov 2017

**Android Developer**

**Project Name:** RTN

**Team size:** 5

**Project Description:**

An application for medical services. Allows the patient to set a schedule, and manage time to wait.

**Responsibilities:**

- Joined planning meeting to get requirement
- Created detail design document
- Used Git to control source code versions

**Environment/Tools:** Android Studio, Android SDK, Retrofit, RxJava, Google Cloud Messaging

**VMODEV JSC**

Nov 2015 – Sep 2017

**Android Application Developer**

**Project Name:** Datting

**Team size:** 4

**Project Description:**

Application on social networking, allowing users datting.

**Responsibilities:**

- Studied SRS to clear requirement
- Used Git to control source code versions

**Environment/Tools: Android Studio, Android SDK, Retrofit, SQLite**

**Project Name: DemoPower**

**Team size: 5**

**Project Description:**

DemoPower business are in-store product trial activations and demonstration. Through in-store interactive activities, DemoPower specializes in engaging consumers by providing them with a Total Brand Experience based on three pivotal points - communication, effective trial and conversion.

**Responsibilities:**

- Used Git to control source code versions

**Environment/Tools: Android Studio, Android SDK, Retrofit, Realm, Rxjava**

**Project Name: Vera**

**Team size: 8**

**Project Description:**

Perimeter & endpoint security is no longer enough. Vera secures all data, whenever & wherever it goes. No matter where it is stored, locally or in the cloud.

**Responsibilities:**

- Used Git to control source code versions
- Military-grade AES 256 encryption at the data level

**Environment/Tools: Android Studio, Android SDK, Retrofit, Rxjava, Android NDK, AES 256**

**Project Name: PcastDemo**

**Team size: 5**

**Project Description:**

To develop applications for SDKs demo at the request of customers Phenix in the field Streaming - based chat application security technology Signal and voice call, video call

**Responsibilities:**

- Used Git to control source code versions
- Reporting to customers

**Environment/Tools: Android Studio, Android SDK, Retrofit, Realm, Rxjava, WebRTC, Android NDK, Exoplayer, RSA**

**Project Name: Gochat**

**Team size: 8**

**Project Description:**

Server: Maintain Golang source code, develop new features, debug existing features. Push notification from server to client, using Google Cloud Messaging

Android client: Communicate with the server using the protocol buffer via websocket

With chat function, the call is encrypted before sending. (using the encryption standard on the ECC + ECDSA / RSA + PSS + PKCS#7, with themis library)

Login oauth Microsoft Office 365, get contacts data in account via Api provided.

Get data notification from the server, processed and displayed on the app

**Responsibilities:**

- Used Git to control source code versions
- Reporting to customers

**Environment/Tools: Android Studio, Android SDK, Retrofit, Realm, Rxjava, WebRTC, Android NDK, Golang.**