



## Hau, NGUYEN PHUC

Software Engineer Lead, Mobile

### CONTACT

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### EDUCATION

#### BACHELOR OF SCIENCE

09.2013 - 09.2017

UNIVERSITY OF SCIENCE  
HO CHI MINH, VIET NAM

### SOCIAL

- 🐙 <https://github.com/nphau>
- 📖 <https://nphau.medium.com>
- 🌐 @nphau

### SUMMARY

- 📁 120+ Projects
- 👤 180+ Trained Person
- 🏆 40+ Award

### ABOUT

I am a Software Engineer Lead, Mobile with 5-year experience in Android (Java, Kotlin, MVP, MVVM, MVI), iOS, React Native (Redux), KMM and team management. I am highly proficient in OOP, Clean Architecture and SOLID.

*"One difference between a smart programmer and a professional programmer is that the professional understands that clarity is king. Professionals use their powers for good and write code that others can understand."* – Robert C. Martin, Clean Code

### AREAS OF EXPERTISE

- Experience in reviewing other developer's solutions and code, mentoring, training, or supervising others, proactive, professional, and able to deal with people at all levels.
- Experience with Agile development (Scrum, Jira).
- English fundamental, positive, can-do attitude, person-centered approach, good communications skill  
(TOEIC 675)

### TECHNICAL SKILLS

Android MADs, Kotlin, JetPack, FireBase SDK, Facebook SDK, Youtube SDK, Twilio SDK, RxJava, Coroutines, CI/CD, Packaging (Github, GitLab), State-Machine, React-Native, Python (Flask), NodeJs, Angular, DevOps, iOS/Swift, TypeScript, Python (Data Engineer), Kotlin Multi-Platform

## WORK EXPERIENCES

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### FUTA Group — Ho Chi Minh City, Vietnam

#### 10.2020 - PRESENT (Mobile Team Leader)

- Lead the engineers to discover, test and develop solutions to achieve product, business and technology goals.
- Work closely with the Product Owner and UX/UI Designer, Backend to design workflow, payload, collaborate with other team members to define the internal processes and initiatives to help the company accomplish its mission.
- Provide a solution for in-house App using React Native, offline applications using firebase, multi-platform using KMM, React Native.
- Decide which technologies are going to be used, build core modules, reusable code and libraries used for all FUTA ecosystems with Clean Architecture, MVVM, MVI, SwiftUI.
- Sharing knowledge with lots of seminars: Kotlin + MVVM, State Machine, MoMo/ZaloPay Integration, Angular, Android MVVM.
- Interview potential consultants to ensure all on-boarding employees will be successful in the Android, iOS, React Native domain.

#### 12.2018 - 10.2020 (Senior Android Engineer / Architecture)

- Integrate with CI/CD (fastlane), Jenkins, Google Drive, code quality control with Sonarqube, firebase tracking.
- Do code reviews, manage member tasks with JIRA, stand-up meetings (6 members), build up a mobile team strong, productively, and mentor junior members via pair-programming.
- Define workflow and build payment-sdk to integrate with 3rd party: MoMo, ZaloPay, VnPay, Napas, AirPay.
- Build background service to get the location of drivers when they have their trips, keep the service on with runtime permission.
- Optimize map service, reduce cost when drawing polyline routes, increase performance when user typing text to search location in edit text.
- Increase crash-free report from **90.1%** to **99.95%**, reduce startup time from **2s** to **155ms** by refactoring from MVP to MVVM with Clean Architecture, optimize legacy code, apply Flow, RxJava, UnitTest (JUnit).
- Build **new booking algorithms**, **optimize large data sets** with Sequence (replace Collection), reduce frozen frames when get infinity list in home page (remove call-back hell).
- Learn new technologies, languages, and techniques to adapt to the evolving needs of our products.

### Hope Software JSC — Ho Chi Minh City, Vietnam

#### 08.2015 - 12.2018 (Software Engineer)

- Built up an **SDK** for the games based on C/C++ store sensitive information, integrated with Unity, Cocos.
- Worked with China teams using English, helped them integrate Game Unity SDK, monitored their feedback for problems and proactively scheduled resolutions.
- Applied, training modern android architecture: MVP, RxJava, Retrofit, Glide, Dagger 2, Realm for the team
- Lead mobile team (4 members), support teammate learns new technology.
- Managed workload by using Trello follow by Agile.
- Guided team members to use Zeplin for UI/UX design, deployed, maintained for server.
- Collaborated with cross-functional teams to define, design, and ship new features to society.
- Deployed passport user management website by using Angular2.
- Use Git to control teamwork, review & standardize codes for the development team.

**01.2015- 08.2015 (Game Unity Developer)**

- Worked with foreign team in Dubai - UAE, used Unity to build the game and follow customer gameplay.
- Build 3D shader graph, high-quality 2D/3D from scratch, program, debug and optimize codes to implement game play idea from prototype.
- Daily meeting per night, daily report to team lead.
- Be a researcher in R&D Hub game technologies bases on product requirement.
- Supported and implemented new features, built up farmer simulation game using C#.
- Proactively worked to analyze and resolve production problems in a timely manner.
- Assess and resolve end user service requests.
- Contributed to continuous improvement processes including identification of root cause and corrective actions.
- Constantly learned and stayed in touch with evolving game standards and development technologies.

**SIDE PROJECTS**

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**MacCum** — Senior Android Developer (2020)

- Ice-fishing-specific sonar for Canada customers.
- Connected to hardware by using C/C++.
- Built SO files, embedded code to manage camera: took image, record video.
- Optimized speed tracked crash log and users' activities.
- Worked directly with customers by email and skype.

**EBOOK Reader** — Full-stack developer (2019)

- Make google ads for the app, convert MVP to MVVM.
- Help people save, see, share beautiful images, live wallpapers
- Delivered app to store.
- Built back-end with NodeJS based on MySQL (Maximum 10 tables)
- Built front-end with Angular: With Fire Base, with NodeJs.
- Built docker, setup service with digital ocean.
- Participated and contributed to DevOps and Automation CI/CD.

**Catholic Church** — Team Leader (2019)

- Work as PM, build a social network connect young Christian.
- Managed 4 members in a team with SCRUM: backend (NodeJs), iOS (Swift), android (Kotlin), Dashboard (Angular).
- Delivered Android, iOS to store, worked with QA on CI/CD environment.
- Understand the product, optimize the performance.

### PHAT CON VINA KOREAN — Team Leader (2018)

- Worked as a team leader: 4 members.
- Work with Scrum involved in requirements analysis, planning, estimations.
- Product owner: **Android**, **Nodejs** Backend, **Angular2** Front-End, MySQL.
- Understand the product, fix bugs, improve stability and user experiences.
- Hands-on coding and code review 25% of the time.
- Use English to work with Korean customers, write well technical document, communicating with other technical teams, collected requirements, describe software product features, and technical designs.
- Built a website, iOS, android app with React Native.
- Applied new technology, refactor from ASP.NET to PHP.
- Support team member grow professionally and personally.

### HCMC COMMUNIST YOUTH UNION — Team Leader (2017)

- Built up the app for HCMC Communist: Congress X, statistics, event tracking within 1 month and 3 members.
- Communicated with stake holders and translate requirement to tasks, estimate by hours.
- Apply Agile, Analytics, AB testing, Git Flow.
- Contributed to the ideation, technical design, implemented and tested of product features that empower customer busines and deliver impact to our customers.
- Build stable, performant and high-quality mobile applications.
- Served for **500.000** real time users with an full stack engineer, collaborate with server and built infrastructure.

## QUALIFICATIONS

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### UNIVERSITY OF SCIENCE, HCMC VIETNAM — Bachelor of Science

#### 09.2013 - 09.2017

- Top 25 good students in Honor class.
- Very Good Degree Honor program of Information Technology
- General knowledge: Social sciences and humanities, Mathematics, Natural Sciences, Informatics
- Professional knowledge: Computer architecture, Data structure and Algorithms, Computer Network, Operating System, Database, Computer Security, Artificial Intelligence, Data Minding, Information Retrieval, Principles of programming Language, ...

#### 07.2015 - 09.2015 - Android Developer Certificate

- Studied about Java, Network, Architecture, REST, Media, Sensor, ...
- Studied app functionality, User interface, data management, debugging, testing.
- Studied app notifications, advanced graphics, animation, geo, dependences.
- Android development process, google play release plan.

### 03.2021 - React Native Developer Certificate

- Completed 5-weeks react native training: React Redux Saga, Async, Await, Promise.
- Studied app styles, layouts, components, navigation, remote communication, releasing builds.
- Built React Native iOS / Android applications with clean code and using Redux.
- Learned how to implement clean, modern, smooth animations and transitions that provide an excellent user experience.
- Integrated third-party API's, following UX Guidelines, Native extension.
- Build variants, environment configurations, release to store.

**Udacity** Licenses & Certification — *See at my LinkedIn, <https://www.linkedin.com/in/nphau>*

**Coursera** Licenses & Certification — *See at my LinkedIn, <https://www.linkedin.com/in/nphau>*

- Sentimental Analysis: COVID-19.
- Data Visualization with Python: Plotly Express, Pandas, Flask, Numpy, Matplot, Seaborn.
- Business Analysis with Power BI: Stock, Sales, Crypto, HRM.
- Tech Java: OOP, Array List, Sequences, Objects, Decision
- Tech Typescript: Arrays, Control, Operators, Variables, Data Types.
- AI/ML: Bank Loan Approval Prediction with ANN.

### BUSINESS STARTUP SUPPORT CENTER (BSSC)

12.2015 - 01.2016

- Entrepreneurship, Business Model, Business Plan, Small Retail, Leadership, Economics, Law, ...
- Build MVP, principles, build Scrum team, apply agile.
- Business Model Design, kick-off with investors.
- Owned a start-up with 5 months of life.

**FMIT** — *PMP (Project Management Certificate)*

04.2019 - 12.2019

- Integrated management.
- Managing requirements
- Time management.
- Cost management.
- Quantity management.
- Resource management.
- Media management and Related people.
- Risk management.
- Managing bids.

## AWARDS & SOCIAL ACTIVITIES

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- **Global Cybersoft** (Vietnam) JSC Outstanding Student Scholarship **2015**.
- **KMS** (Vietnam) Outstanding Student Scholarship **2016**.
- Microsoft Virtual Academy Certificates **2015**.
- Microsoft Student Partner **2015 - 2016** with Microsoft Service major.
- Developing Android App with Kotlin Udacity (**2018-2020**).
- Facebook Hackathon 2016 (RMIT University HCMC):
  - **Winner Most Innovative Product.**
  - **Runner Up Best Social Product.**
- Team Leader of Design Studio HCMC.
- Project Management Fundamentals 05.02.2021 (FMIT).
- The Secretariat of HCMUS Vietnam National Union of Students 2013 - 2015.
- Technical blog: <https://imstudio.medium.com> (with 227 followers)

## COACH & OTHER SKILL

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- Android Coach at Kmin Education 2015-2017 (40 students).
- Android, Java, Kotlin Coach at Funix University from 01.2019.
- C# (1 year), Angular (1 year), Nodejs (expressJs, mySQL) (1 year), devOps: nginx, apache2, React-Native (1 year), iOS/Swift (1 year).

## HOBBIES AND INTERESTS

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- Project Management, Software Architecture, Business Model.
- Blockchain, AI, Fintech, Health care.
- Reading, Cooking, Photography, Sharing.
- Stock, Invest.