

Hung Tran

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Experienced Android Engineer

Experienced Android Engineer with over 10 years of experience developing high-performance Android applications in finance, ecommerce, logistics, and cryptocurrency domains. Proficient in Kotlin, Java, and Jetpack Compose, with a strong focus on clean architecture, resulting in substantial user engagement and reduced crash rates. Key achievements include leading mobile engineering initiatives and optimizing development workflows. Ready to leverage extensive background to enhance the design and development of robust Android solutions.

Architecture Design • Android SDK • Android NDK • Design Patterns • SOLID • Clean Architecture • Material Design • OOP • Dependency Injection • Modularization • Data Structure •

Languages: Java, Kotlin, Dart, JNI, JavaScript, C++.

Web Services: RESTful, GraphQL.

Web/App Servers: TomCat, Netty.

Frameworks: Android SDK, Android NDK, Flutter, Spring Boot, RxJava, Jetpack Compose, Coroutines, Flow.

Databases: MySQL, MongoDB, Room Database, Realm Database.

Design Patterns: Singleton, Static Factory, Abstract Factory, Builder, Adapter, Facade, Proxy, Observer, Strategy, Iterator, Command, Template, State, Handler.

Architecture Patterns: MVP, MVVM, MVI, VIPER, Clean Architecture.

SDLC: Agile / Scrum.

Tools: Gradle, Maven, IntelliJ, Android Studio, Firebase, Jacoco, Jira, Confluence, Bitbucket, Gitlab, Github, Charles Proxy, Slack, Figma, Sketch, Mockito, PowerMock, Espresso, Junit, MockK.

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

Project Details:

TAMARA, Ho Chi Minh City, Vietnam • 06/2021 – 07/2023

A Middle Eastern fin-tech company.

<https://play.google.com/store/apps/details?id=co.tamara.user>

<https://play.google.com/store/apps/details?id=co.tamara.merchant>

Senior Android Engineer

Orchestrated Customer Experience Android team direction, revolutionizing the Android development process, and maximizing app quality

- Architected and developed mobile applications using Kotlin and Jetpack Compose, achieving a 4.8-star rating and attracting over 5M customers and 500K merchants.
- Developed a mobile advertising campaign module by integrating CleverTap, Firebase Dynamic Links and Segment Analytics, leading to a 20% surge in app downloads and a 15% increase in user acquisition.
- Improved UX through the integration of UXCAM & Firebase, effectively identifying and resolving early-stage issues during the beta release phase, resulting in a production environment with a 99.99% crash-free rate.
- Managed mobile releases through Gitlab CI & Google Play Staged Rollout, ensuring efficient updates, reducing deployment time.
- Implemented production monitoring with Firebase Analytics, resulting in real-time insights that enhance app reliability, identify potential issues proactively, and contribute to a seamless user experience.
- Built a Kotlin and Compose-based mobile SDK for seamless merchant integration, optimizing operations for over 500K merchants and improving transaction throughput.

Technologies Used: Java, Kotlin, MVVM, MVI, Material Design, Dagger, Hilt, Retrofit, OkHttp, Jetpack Compose...

Project Details:

LAZADA ELOGISTICS (Alibaba Group), Ho Chi Minh City, Vietnam • 11/2018 – 06/2021

Alibaba Southeast Asian logistics platform.

<https://play.google.com/store/apps/details?id=com.lazada.lmsandroid.lex>

Senior Android Engineer

Architect the concluding phases of mobile development, ensuring excellence in Last-Mile execution. Design and guide team efforts to fulfill responsibilities and achieve noteworthy milestones.

- Revamped the application into multiple modules using Kotlin and RxJava, resulting in a more flexible and scalable architecture that enhances maintainability and optimizes complex asynchronous operations.
- Migrated app to using modern AndroidX and incorporating reactive and functional programming for enhanced app performance and responsiveness.
- Integrated Kotlin streamlining code for conciseness, cleanliness, and flexibility, ensuring efficient development, testing, and maintenance.
- Implemented Alibaba AB Testing integration, facilitating data-driven decision-making, refining feature performance, and ultimately enhancing the overall user experience through targeted optimizations.
- Integrated Alibaba UT Track to ensure drivers receive precise time-based delivery information and notification, leading to optimized route planning, enhanced delivery accuracy, and improved overall operational efficiency.

Technologies Used: *Android, Java, Kotlin, MVP, MVVM, Material Design, Dagger, Retrofit, OkHttp, RxJava, Coroutine, A/B Testing, UT tracking, JUnit, Mockito, Mockk, Alibaba stacks...*

Project Details:

LAZADA ECOMMERCE (Alibaba Group), Ho Chi Minh City, Vietnam • 03/2014 – 11/2018

Alibaba Southeast Asian ecommerce company.

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

Senior Android Engineer

Transforming application architecture into a super app, applying modern technologies.

- Transformed the application architecture into a super app with Java and Alibaba Tech Stacks, improving user engagement and operational efficiency.
- Implemented Clean Architecture, Dependency Injection, and Material Design, leading to enhanced application performance, improved scalability, and heightened user satisfaction through a modern and cohesive design.
- Modularized the app through decomposition into multiple library modules, optimizing maintenance efforts, and facilitating future updates, resulting in a more agile development process and ensuring a seamless and adaptable user experience.
- Integrated Alibaba push notifications and in-app messaging sdks, boosting user engagement by 30% and facilitating timely communication on promotions, order updates, and personalized offers.
- Developed real-time order tracking module, leading to a 25% decrease in customer inquiries and providing users with a more transparent and satisfying shopping experience.
- Implemented A/B testing on key features with Alibaba Remote Config, refining user interfaces and functionalities resulting in a 20% increase in user engagement and conversion rates.

Technologies Used: *Android, Java, Material Design, Dagger, RxJava, Volley, Retrofit, OkHttp, Junit, Mockito, Alibaba stacks...*

Project Details:

TERRALOGIC, Ho Chi Minh City, Vietnam • 01/2010 – 03/2014

An outsourcing company.

Software Engineer

Responsible leading some outsourcing projects

- Built an Android eBook Reader application in the Japanese market using Java achieving a 15% increase in downloads and positive user reviews.
- Developed Ecrio LTE Android apps with Android SIP and VoIP, contributing an improvement in call quality cost free for users.

- Developed an Android app using Telephony Service to detect multiple SIM cards, enhancing user convenience with dual SIM functionality and optimal network connectivity.
- Built JavaScript tagging library based on IBM CoreMetrics effectively tracking customer behavior on shopping websites.
- Built automation frameworks for AT&T Android app and webpages with Appium and Selenium, reducing testing time and increasing test accuracy.

Technologies Used: JavaScript, JAVA, LTE, Android Services, Android SDK, Android NDK...

ACADEMIC PROJECTS

Maharishi International University (2023)

Library Management System: This Library Management System is a comprehensive solution designed to streamline library operations. With user-friendly features such as secure login/logout functionality, efficient book checkout and return processes, member management including editing and deleting, addition of new books and copies, and the ability to print checkout records and identify overdue copies, this system ensures a seamless and organized library experience. The additional functions of logout, edit member info, and delete member enhance the system's flexibility and user control... Utilized Swing, JavaFX, Clean Architect, Design Patterns

Maharishi International University (2023)

AeroTran - Flight Booking System: AeroTran, the Flight Booking System, is a user-friendly platform offering a range of features to enhance the air travel experience. Users can easily register and login to their accounts, conduct efficient flight searches based on destination, date, and class, and manage their profiles with personal information and preferences. The system provides detailed flight information, including layovers, duration, and aircraft type, along with convenient filters for refining search results. Users can seamlessly book flights, receive confirmation details, and access their booking history. The added functionality of canceling or modifying bookings adds flexibility while adhering to specific conditions and rules. Utilized Backend: Node.js, Express.js, RESTful APIs, Clean Architecture. Frontend: HTML, CSS, JavaScript, Bootstrap, JQuery. Database: MongoDB

EDUCATION

Master in Computer Science

(In progress via distance education; expected completion 04/2026)

Maharishi International University, Fairfield, Iowa

Key Courses: Algorithms, Modern Programming, Advanced Software Development, Web Application Architecture, Big Data Technology.

Bachelor of Science in Mathematics & Computer Sciences

University of Natural Sciences, Ho Chi Minh City, Vietnam (09/2009)