VAN DUY NGUYEN

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Senior Android Developer

Experienced and seasoned Android Developer with **10** years of professional experience developing a wide range of enterprise mobile applications for some big companies including Walmart, Samsung and NAB (National Australia Bank). Developed and maintained many Android applications for several business sectors like Fintech, Health care, Education, Entertainment, Enterprise Applications, IoT Android applications, and Banking. Vast experience with the Android Native stack, proficient in technologies like Dagger, Hilt, Clean Architecture, Jetpack components, **Jetpack Compose**, MVP, MVVM, and KMP.

Object Oriented Programming (OOP) • SOLID Principles • TDD • Design Patterns • Clean Architecture
Reactive Programming • Firebase SDK • Android SDK • Dependency Injection • CI/CD • Agile • AI/ML/Gen AI

Languages: Java, Kotlin, TypeScript, Dart, C++, JNI
Mobile Cross Platform: React Native, Flutter, Kotlin Multi-Platform
UI/UX: Jetpack Compose, Google Material 3
Web Services: REST, GraphQL, JSON, Retrofit, OkHttp, Firebase SDK
Reactive Programing: RxJava, Kotlin Flow, Kotlin Coroutines
Frameworks: Android, Spring Boot, JUnit, Appium, Selenium, Mockito, Espresso, ExoPlayer, Jetpack components,
Databases: SQLite, Room, Realm
Design Patterns: Gang of Four patterns, MVC, MVP, MVVM, Clean Architecture, Dependency Injection(Hilt, Dagger, Koin)
SDLC: Agile, Scrum
Tools: Jenkins, Circle CI, Gradle, Maven, Git, Jira, Confluence, Slack, SonarQube, WebRTC, Android Studio Profiler
Platforms: Android OS, Microsoft Window, macOS

PROFESSIONAL EXPERIENCE

CAREER NOTE: Available immediately, Willing to relocate, Open to full-time, W-2 employment.

Inforbahn Softworld Inc, San Jose, CA 95131 • 03/2025 – 08/2025
Client - **Walmart Global Tech**.

Android Developer
Developed Subscriptions feature.
- Developed the Subscriptions Optimization flow (Address selector, handle Subscriptions errors, skip an upcoming order item, change book slot) using Kotlin Flow, Coroutine, Graph QL, Clean Architecture and Github Copilot.
- Implemented Unit Tests and Automated Testing for the feature-subscriptions module using JUnit, Mockito, and Robolectric library, ensuring the test coverage is always greater than 95%.
- Improved automation coverage from 13% → 90% using R2 + Appium + Sauce Labs.
- Manually did release regression testing weekly and signed-off for app releases.
- Took part in the On-call support using Xmatter, Open Observe and Splunk platforms, ensuring quickly addressing the production critical issues in time.

Technologies Used: *Kotlin, Coroutines, Clean Architecture, Graph QL, JUnit, Mockito, Robolectric, SonarQube, GitHub Copilot.*

National Australia Bank (NAB), HCM, Vietnam • 10/2022 – 03/2024
A banking company in Australia.

Android Engineer
Implemented key features for a bank app using Agile and DevOps practices.
- Developed and designed UI for Insurance Support and Buy Now Pay Later (BNPL) using Android layout and Jetpack Compose, enhancing user experience leading to 20% increase in client satisfaction ratings.
- Integrated Insurance Support and BNPL features using Kotlin, Kotlin Coroutines, and Dagger, improving app stability and functionality resulting in a 100% approval rating from clients during the walk-through meetings.

- Connected the Insurance Support and BNPL features from Android native UI to mini-apps using Android WebView, reducing the load of native development, utilizing and synchronizing with web-based mini-apps.
- Implemented Unit Tests and Automated Testing for the Bank Account module using JUnit, Mockito, and Espresso library, decreasing defects by 25%, ensuring smooth QA team approvals with a 100% pass rate on first testing.
- Integrated SonarQube with **Jenkins** pipeline to analyze code quality, leading to the early detection of code vulnerabilities and improving codebase maintainability by 20%.
- Released the [NAB Mobile Banking](#) on Google Play using Google Play Console, tracked usage and user behavior via **AppDynamics and Splunk**.

Technologies Used: *Kotlin, Jetpack Compose, Kotlin Coroutines, Dagger, Clean Architecture, Firebase SDK, JUnit, Mockito, Espresso, SonarQube, Jenkins, GitHub, Jira.*

Samsung Electronics HCMC CE Complex, HCM, Vietnam • 03/2019 – 09/2022
Member of Samsung Electronics is the world's second largest TV and home electronics manufacturing complex.

Android Engineer
Develop android applications which belong to Samsung Enterprise eco-system.
- Developed [Samsung Signage mobile application](#) which enabled streaming live video and audio from mobile device to Samsung Flip board using WebRTC technology, resulting in 1000+ downloads within 1 month after launching on Google Play Store.
- Developed Remote Controller tool and integrated into [SmartThings app](#) to quickly and easily connect and control Samsung Smart TV using NDK, JNI to integrate with Native library written in C++.

Technologies Used: *Kotlin, Kotlin Coroutines, WebRTC, Dagger, JUnit, Mockito, Espresso, JNI, NDK, C++*

River-City Technology (Medigo), HCM, Vietnam • 01/2018 – 02/2019
Start-up focusing on developing mobile apps for education and healthcare.

Android Engineer
Develop e-book android apps. Link to the app: [SAP Press Ebook App](#)
- Collaborated with the Design team, clients, and Product Owner from Germany to build an E-book application from scratch, ensuring alignment with user needs and resulting in on-time delivery.

Technologies Used: *Java 8, Kotlin, android sdk, Retrofit2, OKttp, Dagger 2, EventBus, RxJava, RxAndroid, JavaScript, MVP, ProGuard, Android Studio Profiler.*

Terralogic, Ho Chi Minh city, Vietnam • 06/2017 – 12/2018
A global IT services and technology solutions provider that offers a wide range of services.

Software Engineer
Collaborating with cross-functional teams to create high-quality mobile applications.
- Developed [Frankly News Fire-TV app](#) using Kotlin, MVP architecture, and Retrofit as well as built the APK file to publish to the Amazon Fire-TV store, resulting in a high ratings from customers.

Technologies Used: *Kotlin, MVP architecture, Constraint Layout, Retrofit, RxJava, JUnit, Mockito, Espresso, Google Analytics, ExoPlayer library.*

FPT Software company, Ho Chi Minh city, Vietnam • 01/2015 – 01/2017
A global technology, outsourcing, and IT services company.

Software Engineer
Designed, developed, and maintained Android applications for diverse clients.

EDUCATION

Master of Computer Science (5/2024 – 11/2024)
(In progress via distance education; expected completion 12/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Enterprise Application, Machine Learning, Advance Software Development, Algorithms

Engineer in Telecommunication - Electronics Engineering Technology
Da Lat University, Da Lat city, Vietnam (12/2013)