



Nguyễn Hoàng Văn Nhã – Mobile Engineer

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Summary

I am a Mobile Engineer with 3+ years of experience in product development using Flutter and Android native. I continuously learn and apply my skills to create high-quality, performant mobile applications, while optimizing development costs and consistently delivering projects on time and within budget.

Technical Experience

- **SDK and Framework:** Flutter(Android, iOS, Web, Plugins), Android native
- **Language:** Dart, Java, Kotlin
- **State management:** Provider, Redux, BLoC
- **Design patterns:** MVP, MVVM, MVI
- **CI/CD and Automation:** Github actions, Bash script, Monorepo management
- **Testing:** Unit test, integration test, E2E test, manual testing, automated testing
- **Software development:** OOP, SOLID, Agile, Clean architecture, Scrum, Git
- **Networking:** REST, gRPC
- **Third parties:** Firebase, Agora, Brightcove, GooglePlay console

Employment

Manabie Global Edtech	Mobile Engineer	2019 - 2023
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Project: Manabie Teacher and Manabie Learner

- **Description:** An SaaS Mobile (Android, iOS) and Web application providing end-to-end digital infrastructure for all educators and high-quality online and offline learning experiences for learners.
- **Technologies:**
 - Flutter for cross platform development.
 - Android, iOS, Web for implementing native functionality.
- **Contribution:**
 - Collaborate with a cross-functional scrum team of 7 to 21 members from Japan, Vietnam, Philippines to develop offline and online learning features.
 - Built high-quality, modular, scalable, and testable applications implementing packages and plugins.
 - Led a team of 2 developers in implementing go_router, fluttergen and l10n, resulting in a 75% improvement in code quality and developer productivity. Developed internal widget catalogs and auto-code generation tools to streamline development workflow.
 - Reduced cloud recording costs by 20% by implementing Browser native a share screen for recording feature, improving user experience and platform sustainability.
 - Reviewed code and supported new members, wrote documentation to help other members understand features faster and easier.
 - Refactor code, do manual tests, write automation tests to ensure product quality.
 - Setup CI/CD using Github actions for running tests, build and deploy internal tools.

Awards

- **Manabian of the month award:** In recognition of bloody good performance and have lived and breathed the Manabie way. Has been chosen from ~30 team members.

Education

- **Ho Chi Minh City - University of Science** 2015 - 2019
 - Bachelor of Science in Software Engineering

Pet projects

- **Flutter app project_movie_flutter**: Impressive feature-rich movie app with search, favorites, watchlist, trailers, details, themes, and multi-languages.
 - Strengths: Demonstrates diverse skills in Flutter development, architecture, and UI/UX.
 - Technologies: Flutter, Clean architecture, REST API, DI, multi languages, theming, BLoC stage management, drift database.
 - Repo: https://github.com/nguyenhoangvannha/project_movie_flutter
 - Google play store (Internal testing): https://play.google.com/store/apps/details?id=io.github.nguyenhoangvannha.apps.flutter_todo
- **Flutter plugin android_activity_lifecycle**: Plugin for monitoring Android activity lifecycle changes within Flutter apps.
 - Strengths: Showcases knowledge of native development and bridging Flutter with Android.
 - Technologies: Flutter native plugin, Platform channel, Pigeon code gen, Android native.
 - On pub.dev: https://pub.dev/packages/android_activity_lifecycle
- **React-native vn-e-learning**: Online learning app with course browsing, learning, and progress saving.
 - Strengths: Demonstrates ability to build cross-platform apps using React native and learning platform features.
 - Technologies: React-native, Expo, Javascript, axios, multi languages, react-navigation, redux.
 - Repo: <https://github.com/nguyenhoangvannha/vn-e-learning>
 - Demo: <https://www.youtube.com/watch?v=1pBzCH7J1no>
- **NodeJS Back-end udemy-back-end**: Backend for an online learning website with features like JWT, search, and email.
 - Strengths: Showcases backend development skills and experience with scalable architectures.
 - Technologies: NodeJS, JWT, elastic search, postgresql, nodemailer, express, middleware, schemas.
 - Repo: <https://github.com/wnc2021nnn/udemy-back-end>
 - Deploy: Heroku
- **Android native OpenGallery**: Photo gallery and album app for viewing and sharing photos.
 - Strengths: Demonstrates experience with native Android development and image handling.
 - Technologies: Android native, Glide, exifinterface.
 - Repo: <https://github.com/nguyenhoangvannha/OpenGallery>