

BÙI HỮU ĐOÀN

Senior Flutter Engineer | Senior Mobile Engineer

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PROFESSIONAL SUMMARY

Senior Mobile Engineer with 9+ years of software engineering experience and 7+ years of production Flutter development. Deep hands-on ownership across Flutter architecture, complex feature delivery, native Android/iOS integration, real-time systems, IoT/BLE, performance optimization, CI/CD, app-store delivery and production troubleshooting. Currently builds product applications at OXII/Karofi, including Karofi 365 (K365) with a 50,000+ user base and the OxiiWork enterprise mobile platform.

Strong product-engineering background across IoT, workplace/HR operations, real-time chat, social/short-video products, cross-border e-commerce, logistics and enterprise digitization. Uses Claude Code, OpenAI Codex, Cursor and Antigravity as AI-assisted engineering tools for implementation, debugging, refactoring and codebase exploration while retaining technical ownership and code-review responsibility.

CORE FLUTTER & MOBILE STRENGTHS

Flutter: Dart, BLoC/Cubit, Riverpod, Provider, GetIt, go_router, Dio, Freezed

Data & Realtime: REST APIs, WebSocket, Isar, Hive, SQLite, offline/cache strategies, pagination

Product Quality: performance profiling, startup/memory optimization, large lists, networking/cache, Crashlytics, Analytics

Architecture: Clean Architecture, feature-first/modular design, Repository Pattern, DI, reusable components

Mobile Platform: Android/iOS native integration, BLE/Beacon, push notifications, deep links, background/device features

Delivery: GitHub Actions (Android), Xcode Cloud (iOS), Firebase, AWS EC2/S3/CloudFront, Linux

PROFESSIONAL EXPERIENCE

Senior Flutter / Mobile Engineer

OXII Smart Technology JSC | Hanoi, Vietnam | 01/2023 - Present

Selected products: [Karofi 365 \(K365\)](#) | [Oxii Work](#) | [OXII portfolio](#) | [KAROFI portfolio](#)

- Own end-to-end mobile delivery across multiple production products: architecture, technical design, estimation, implementation, API/native integration, performance optimization, release and production maintenance.
- Develop and maintain Karofi 365 (K365), an IoT consumer product with a 50,000+ user base, working across connected-device experiences, device status/controls, notifications and mobile-device integration.
- Build major OxiiWork modules including real-time chat, BLE Beacon attendance, approval workflows, meeting-room booking, vehicle booking and enterprise workplace operations.
- Implement advanced chat flows including WebSocket real-time messaging, group conversations, file/image/video sharing, push notifications, pagination/cache, offline message handling and read states.
- Design scalable Flutter codebases with Clean Architecture, modular/feature-first structure, repository patterns and dependency injection; select state-management approaches based on product constraints.
- Integrate native Android/iOS capabilities and BLE/Beacon workflows for hardware and attendance use cases; troubleshoot device-specific behavior across mobile platforms.
- Optimize startup, memory, rendering of large data sets, networking/cache behavior and production stability; use Firebase Crashlytics/Analytics for diagnostics and product visibility.
- Maintain Android CI/CD through GitHub Actions and iOS delivery through Xcode Cloud; work with Firebase and AWS services including EC2, S3 and CloudFront.
- Participate in technical planning, code review, mentoring and cross-functional delivery with product, backend and QA stakeholders.

ADDITIONAL EXPERIENCE

Freelance Mobile Engineer

Independent / Client Projects | 06/2022 - 01/2023

Selected live product: [Austec Technology app](#)

- Independently designed and developed entertainment and social-networking applications for Thế Anh 28, including TikTok-style short-video feed, publishing/playback, profiles, follow, comments, notifications and social interactions.
- Sole mobile engineer for the main Austec Group smart rolling-door control application, owning the mobile product from architecture and implementation through IoT/device integration, release and maintenance.
- Developed a cross-border ordering application for an import company, integrating backend APIs for Taobao/1688 product discovery, ordering and related commerce workflows.
- Owned requirements clarification, architecture, implementation, API integration, debugging, release and production support across freelance products.

Head of Mobile Apps & AI / Mobile Engineering Lead

Hung Ha Payment JSC | Hanoi, Vietnam | 09/2017 - 06/2022

- Led a mobile/application engineering department of up to 20 people and defined technical direction, project plans and work allocation across multiple products.
- Delivered and maintained 30+ Android/iOS applications covering logistics, real-time chat, attendance, HRM, CRM, DMS, payroll and enterprise digitization.
- Worked hands-on across Flutter, native Android/iOS, backend services and AI features; supported architecture, integration, debugging and production operations.
- Built AI-enabled features including facial recognition and text-to-speech; managed Linux production infrastructure across 10+ servers and performed database/query optimization.

Mobile Developer Intern

NAL | 02/2017 - 09/2017

- Developed native Android applications in Java and built foundational experience in production mobile engineering.

TECHNICAL SKILLS

Mobile: Flutter, Dart, Android, iOS, Kotlin/Java, Swift, React Native

Realtime / IoT: WebSocket, BLE, Beacon, device integration, push notifications, offline/cache

AI-assisted Engineering: Claude Code, OpenAI Codex, Cursor, Antigravity; code generation, debugging, refactoring, codebase exploration

Flutter Stack: BLoC/Cubit, Riverpod, Provider, GetIt, go_router, Dio, Freezed, Isar, Hive, SQLite

Backend / Cloud: Node.js, Python, PHP, REST APIs, Firebase, Linux, AWS EC2/S3/CloudFront

Leadership: architecture decisions, estimation, task breakdown, code review, mentoring, cross-functional/product ownership

EDUCATION & LANGUAGES

B.Sc. in Information Technology - Thuy Loi University | 09/2013 - 02/2018

Languages: Vietnamese (Native), English (Intermediate)

Selected training: Machine Learning - VietAI (2019)

Target profile: Senior Flutter Engineer / Senior Mobile Engineer