

LE PHI NAM

Developer Mobile

“Passionate about crafting exceptional mobile user experiences, I am a Mobile Developer specializing in Flutter, with a unique strength in integrating software with cutting-edge technologies like AI and IoT (ESP32). Leveraging a solid technical foundation from Free AI Apps and the University of Science - Hue University, combined with a structured workflow mindset, I am confident in my ability to quickly adapt and collaborate with the team to build smart, optimized, and highly scalable mobile applications.”

Work Experience

Glucose App

Flutter

Timeline: June 2025 - July 2026

- **Architected and Structured:** Built the application using Provider for global state management (managing vital modules including HealthRecordProvider, ReminderProvider, SleepLogProvider, and MedicationProvider) following clean architecture guidelines with clean folder segmentation.
- **Data Persistence & Sync:** Implemented local data storage using Sqflite (SQLite) to store records (glucose, HbA1c, weight, sleep, and insulin logs) alongside a database migration system, utilizing SharedPreferences for metric unit configurations (mg/dL vs. mmol/L, kg vs. lbs) and cloud sync integrations.
- **UI/UX & Interactive Widgets:** Developed a highly custom, iOS-styled native interface with Cupertino widgets and designed a responsive, draggable circular Floating Action Button navigation system (QuickAddMenu). Integrated custom painter components and gauge visualizations (Syncfusion Gauges) for HbA1c indicators.
- **Hardware & API Integrations:** Programmed foreground and background health data synchronization with Apple Health (via the health package) using Workmanager background tasks. Integrated a camera scanner utilizing Google ML Kit Barcode Scanning to scan food packaging, combined with Google Mobile Ads and iOS App Tracking Transparency (ATT) compliance.

Blood Pressure App

Flutter

Timeline: August 2025 - June 2026

- **Dependency Injection & Architecture:** Structured the codebase utilizing Provider state management combined with GetIt and Injectable for automated dependency injection, establishing a clean, modular repository pattern across multiple features (AI Doctor, Heart Rate, Medication, and Achievements).
- **Report Generation & Data Storage:** Designed custom local data persistence via Sqflite for blood pressure, pulse, and oxygen saturation. Developed an export pipeline allowing users to generate and share medical report files (PDF and CSV formats) using pdf, csv, and share_plus packages.
- **Advanced UI & Custom Charts:** Leveraged figma_squircle for custom iOS-style card designs, combined with Iconsax icon packs, Lottie animations, and fl_chart to render highly customizable historical trend line graphs and indicators for systolic and diastolic blood pressure levels.
- **Advanced Hardware & Alarms:** Engineered a camera-based PPG Heart Rate Monitor using the camera and wakelock_plus libraries to capture and analyze finger blood flow color variations. Integrated local medication reminders via flutter_local_notifications, In-App Purchases for subscriptions, and Firebase Remote Config for dynamic feature flagging.

Bible App for Kids

Flutter and PHP

Timeline: April 2026 - June 2026

- **State & Navigation Architecture:** Designed a modular reactive application utilizing Riverpod for state management and GoRouter for declarative navigation, separating authentication, settings, gamification rewards, and story modules.
- **Backend & Cloud Database:** Integrated Firebase Auth (including Apple Sign-In support), Cloud Firestore for real-time progress syncing, and Firebase Storage for media delivery, utilizing Dio for REST API requests and Sqflite for local backup caching.
- **Gamification & Fluid Layout:** Developed an interactive Journey Map screen allowing children to unlock biblical story nodes as they progress. Utilized flutter_animate and Lottie to build smooth custom animations and used the layout package to ensure responsive layouts for both mobile devices and tablets.



CONTACT

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EDUCATION

University of Science - Hue University

Bachelor's degree

2022 - 2026

CERTIFICATION

Member of the FAA's first app

Glucose app

2025

Member of the FAA's top app

Blood pressure app

2025

SKILLS

- Programming with Flutter
- Effective teamwork skills.
- Strong problem-solving and management capabilities.
- Ability to manage teams effectively.
- Ability to effectively control AI.



Flutter

Skill Level: Advanced



PHP

sSkill level: Advanced



Firebase

Skill level: Basic



Aptis English certificate

Skill level: B1