Mai Bảo Long

Phuoc Tan Ward, Bien Hoa City, Dong Nai Province • mbltlht@gmail.com • +84 943602574 • linkedin.com/in/maibaolongne
github.com/zitsieunhan1512 • zitsieunhan1512.github.io/portfolio

A highly motivated graduate in Information Technology with over a year of experience in mobile application development. Passionate about creating innovative Android applications that enhance user experiences while continuously improving technical skills. Seeking a challenging role to contribute to impactful projects and grow within a dynamic team.

SKILLS

Languages: Java, Kotlin, C, C++

Tools: Github, Firebase, Heroku, MySQL, MongoDB, Postman

Technical Expertise:: Kotlin Compose, Kotlin Multiplatform (KMP), Coroutine, Data Binding, Room DB, SQLDelight, Work Manager, Retrofit, Ktor, WebSocket, Dependency Injection (Hilt, Koin), Navigation, Material Design, Firebase, Datastore, Recycler View, View Model, Live Data, Flow.

WORK EXPERIENCE

Android Developer   **Apr 2023 - Present**
Freelancer   **VietNam**

- Successfully developed over 10 Android outsourcing projects using Kotlin and Java, including **Video & Audio Downloader**, **Stuttering Tracking**, **DNC i8 Plus**, **Samsung Remote TV**, **Theme Pack**, **GPS Tracking**, **Mom Care, Music Player**, and **ChatGPT Assistant**.
- Utilized advanced skills: Coroutine, Flow, Retrofit, Ktor, Room DB, SQL Delight, Hilt, Koin, Material Design, and MVVM/MVI architecture...etc.
- Published multiple applications on Google Play: DNC i8 Plus, Samsung Remote TV, ThemePack, GPS Tracking.

Android Intern   **May 2023 - Aug 2023**
Uthus JSC   **VietNam**

- Researched and developed a demo application integrating ChatGPT API.
- Contributed to two key projects:
  - **Theme Pack App** (see details)**:** Focused on UI implementation and theme management. Support to build core features for show type content paginator and saving them to local memory after download
  - **GPS Tracking App** (see details)**:** Focused on UI implementation and theme management. Support to build core features for tracking speed and GPS data.

PROJECTS

Video & Audio Downloader (Personal) ⧉   **Nov 2024 - Present**

- **Overview:** The app enabling downloads from 1000+ sites using ytdl libs, built with KMP.
- **Key Contributions:**
  - Designed UI with Compose & Material3, build structure with MVI model.
  - Managed logic with Coroutine Worker & Work Manager, utilized SQL Delight for data persistence, observed data with State Flow, and developed a custom media player.

Samsung Smart Remote: AI Voice (Production) ⧉   **Nov 2023 - Present**

- **Overview:** The app "Samsung TV Control: AI Voice" allows you to control your Samsung TV with your phone
- **Key Contributions:** Support to handle Ads unlock logic, implement / fix / test Ui with material3 and show content/dialog logic,

DNC i8 Plus (Business) ⧉   **May 2024 - Sep 2024**

- **Overview:** Mobile application to remotely control LED lights via Bluetooth
- **Key Contributions:**
  - Support to handle change pin / change name device logic in application via Bluetooth Advertisement and State Flow.
  - Handled core logic, including ESP32 BLE firmware development using Arduino C++ for lighting effects and motorbike activation signals.
  - Handle asynchronous effects between signals from the vehicle and from the application using non-blocking code, handle signal transmission protocol via Bluetooth Advertisement.

Mom Care (Personal) ⧉   **Oct 2023 - Jun 2024**

- **Overview:** A comprehensive pregnancy care app designed to assist expecting mothers with essential tools and features.
- **Key Contributions:**
  - Designed UI with Material Design 3, build structure with MVVM + MVI model.
  - Implemented core features: Pregnancy tracking, content display, chart visualization via Retrofit API.
  - Built a media player using ExoPlayer and a chatbot powered by OpenAI GPT API.
  - Developed a social network for pregnant women with real-time features: news, messaging, push notifications, personal pages, and friend management via Firebase and WebSocket.
  - Added customization: theme switching and language settings using Datastore.
  - Supported backend development for CRUD operations and data APIs.

EDUCATION

Ho Chi Minh City University of Technology and Education   **Oct 2020 - Oct 2024**
Information Technology   **GPA:** 3.31 of 4.0

AWARDS

Vallet Scholarship   **Jun 2019**
Second Prize in Provincial Informatics Competition (2016, 2019)   **May 2019**