

HUYNH DUY KHANG – FLUTTER ENGINEER

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SUMMARY

I am a Mobile Engineer with 3 years of experience (Specifically: **Flutter**).

Drawing on extensive experience in application development and software performance optimization, I consistently stay updated with the latest technologies and continuously enhance my skills.

My ability to work efficiently under pressure and solve problems swiftly enables me to deliver high-quality results on time.

Motivated by a commitment to sustainable growth and continuous improvement, I am confident in my capacity to create significant value for the company.

TECHNICAL SKILLS

Programming Languages: Dart, Java, Kotlin

Frameworks/Platforms:

❖ Flutter

❖ Design Patterns (MVP, MVC, MVVM), OOP (SOLID), State management (Clean Architecture, GetX, Provider, Bloc), Restful API,...

Database Management Systems: SQL Server, MongoDB, MySQL

Local Database: SQLite, Hive, Floor...

Orders: Google map API, Socket IO, Firebase, Pipeline (GitLab CI/CD), Flutter version management (FVM)

Tools: Jira, Bitbucket, Open Project, Github, GitLab, Postman, Appcenter, Testflight, Slack, Lark, Rocket Chat, Figma, Draw.io,...

PROFESSIONAL EXPERIENCE

ECR Company - Flutter Developer

2/2024 – Now

- **Project: Rail Pro – ECR Project (14 members: 3 front-end, 5 back-end, 3 tester, 3 mobile)**
- **Description:**
 - Application for purchasing and managing goods on trains for customers
 - Online and offline payment for cards, cash
 - Runs on a **Pax** device
- **Technologies:**
 - Mobile: Flutter, Java, Kotlin
 - Database: SQL Server, Postgresql
 - Back-end: C# .Net
 - Front-end: Angular, JavaScript
 - Others: FVM, Firebase, Retrofit, ..
 - Design patterns: OOP (SOLID), MVVM, State management (Provider, GetX)
- **Responsibilities:**
 - Handle **Sync Data** from server to local database of device (Hive, Floor)
 - Implement **Lazy loading** of Product list
 - Build a feature to **send Emails and SMS** after completing a transaction
 - Retrofit API configured with timeout settings
 - Build the **End of Day** functionality to summarize sold products, transactions, and other data, then push it to the server
 - Implement **Session management**: Create a session on app start, store it locally, and end it at the end of the day
 - Build the **Login** function
 - Handle **Tracking orders** (Update delivery status)

- Handle **Manual sync data** (Process the success or failure of each called API and calculate the percentage of data that has been synced)
- Handle **QR scanning** for automatic departure selection
- Fix bugs and implement new features
- **Other duties:**
 - Build and deploy App on **Testflight**
 - Support UI design for applications with Designer
 - Support manual testing with QC
 - Support testing API with BE
 - Meeting and discussing with Teams
- **Project: IMPL (8 members: 2 font-end, 3 back-end, 2 tester, 1 mobile)**
- **Description:**
 - Application used to manage business activities of a shipping company in Singapore (ERP).
- **Technologies:**
 - Mobile: Flutter, Kotlin
 - Database: SQL Server, Postgresql
 - Back-end: C# .Net
 - Front-end: Angular
 - Others: FVM, Firebase, Retrofit, Flutter MethodChannel,...
 - Design patterns: OOP (SOLID), State management (Bloc, GetX)
- **Responsibilities:**
 - Implement **Lazy loading** for list
 - Build **Operation** module
 - Build **OCR** feature (Scan the package label and extract text into the input field)
 - Build **Multiple languages** support for Vietnamese, Singaporean, and Indonesian
 - Handle **upload file, camera** (Flutter MethodChannel + Kotlin code)
 - Handle **permission for each android versions** (Flutter MethodChannel + Kotlin code)
 - Developing and **optimizing the image upload compression** function

- Setup **Sentry tool** (monitoring and error detection)
- Build **Light/Dark mode** function
- Developing the **Permits** function
- **Responsive UI**
- Handle **Local notification** to remind clock-in/out
- Handle **Firestore notifications** to receive messages from the server
- Handle **Silent notifications** (Firestore Cloud Messaging)
- Fix bugs and implement new features
- **Other duties:**
 - Build and deploy App on **Testflight**
 - Support UI design for applications with Designer
 - Support manual testing with QC
 - Support testing API with BE
 - Meeting and discussing with Teams and Customer

EcarAid Company (eCa app) - Flutter Developer

6/2022 – 1/2024

- **Project:** Eca App (6 members: 1 front-end, 2 back-end, 1 tester, 2 mobile)
- **Link:**
 - **CH Play:** <https://play.google.com/store/apps/details?id=com.ecaraid.eca&hl=vi>
 - **App Store:** <https://apps.apple.com/vn/app/eca/id1613176058?l=vi>
- **Description:**
 - The eCA application is designed to effectively manage vehicles, supporting many conveniences for car owners
- **Technologies:**
 - Front-end: Flutter
 - Database: SQL Server
 - Back-end: Java spring boot
 - Others: Firestore
 - Design patterns: State management (Clean Architecture)
- **Responsibilities:**
 - Build **Register** function

- **Detected nearby problems** feature, **displaying customized icons on maps** for each Gagares, place autocomplete (Google API), filter icons on maps, polylines (Google API)
- **GPT chat** integration
- Handle **Firestore notification** when the user receives a voucher
- Build **Booking** feature (Repairing cars, roadside assistance, vehicle maintenance, etc)
- **Chat group** feature (handle sending media, document file, location and booking request) and notification to chat room,
- Build **Car used trading** and **Service package** feature
- Handle **upload files, photos**
- Developing **video playback from YouTube** links
- Developing **Xims online** feature
- Build a **Car club membership** feature,
- Share **QR code with social media**
- Fix bugs and implement new features
- **Other duties:**
 - Build and deploy app on **AppCenter**
 - Support UI design for applications with Designer
 - Support manual testing with QC
 - Support testing API with BE
 - Daily meeting

EDUCATION

Ho Chi Minh City University of Foreign Languages and Information Technology (Vietnam) 08/2019 – 08/2023

- Studying: Software Engineering
- Degree grade: GPA 8.0

SOFT SKILLS

- Teamwork
- Resolved issue

- Presentation
- Creative thinking

CERTIFICATES

- Bachelor's degree in information technology (Good)
- TOEIC 505