

# FATHUL HIDAYAT

Software Developer

 fahtul.singaparna@gmail.com  +6281313320710  Tasikmalaya, West Java

 [linkedin.com/in/fathul-hidayat-dev](https://linkedin.com/in/fathul-hidayat-dev)  [github.com/Kirara02](https://github.com/Kirara02)

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## PROFESSIONAL SUMMARY

Experienced software developer with 3 years of programming experience, specializing in cross-platform mobile development (Flutter) and native platforms (Android/iOS). Proven track record of developing and publishing 6+ applications on Google Play Store. Expertise in full-stack development with Go backend, real-time communication (WebSocket), AI integration (Google Gemini, OpenAI), and modern architecture patterns. Passionate about building scalable, maintainable applications with clean code principles. Quick learner with strong problem-solving skills, experienced in translating business requirements into functional software solutions.

## PROFESSIONAL EXPERIENCE

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### **Mobile Developer**

**PT UniGuard Indonesia**

August 2024 - Present

Bandung, West Java

Developed and maintained mobile applications for both cross-platform (Flutter with Riverpod) and native platforms (Kotlin, Java, Swift). Experienced in full app lifecycle from development to Play Store publishing. Implemented real-time communication features using WebSocket and push notifications with Firebase Cloud Messaging (FCM). Translated business requirements into functional and scalable software solutions. Worked closely with cross-functional teams to design and implement new features. Optimized application performance and resolved technical issues. Maintained clean, modular, and well-documented code for future development.

### **Flutter Mobile Developer**

**PT Zen Multimedia Indonesia**

June 2023 - July 2024

Purwakarna, West Java

Designed and implemented new features in mobile apps using Flutter, implemented Bloc architecture, fixed bugs, and learned best practices in software development.

### **Android Developer, Internship**

**Prahwa**

July 2022 - October 2022

Tasikmalaya, West Java

Learned Dart and Flutter from basic, slicing UI design from Figma, created example projects, and implemented Bloc state management and clean architecture.

## TECHNICAL SKILLS

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### Mobile Development

Flutter   React Native  
Kotlin Multiplatform

### Android Development

Kotlin   Java

### iOS Development

Swift

### Backend Development

Go

### Desktop Development

C#

### IoT Development

Python

### Web Development

JavaScript   Laravel

### Tools & Technologies

VS Code   Android Studio   Xcode  
Postman   Git   GitHub   Figma  
Trello   Discord   Docker   Firebase  
PostgreSQL   SQLite

## KEY PROJECTS

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### **UniGuardZ**

Flutter, Kotlin, Swift, SQLite, REST API, Google Maps , Firebase Cloud Messaging

UniGuard Z is the next generation staff presence, guard tour management and location verification platform developed from over 20 years of experience in the Australian security and hygiene industry. Designed to be incredibly simple and flexible enough to capture the exact data you need, delivered straight to your inbox! UniGuard has successfully fought public litigation claims, secured payment for services rendered and streamlined your workforce operations by helping to ensure data transparency across your workforce.

### **Bebunge**

Flutter, Bloc, REST API, Google Maps API

Bebunge is a One-Stop Portal Service owned by the Bekasi Regency Communication, Informatics, Cryptography and Statistics Service. With Bebunge, the public will get information about government programs and other information. The Bebunge application functions as an application for complaints and aspirations from the public which will then be forwarded to the relevant section for follow-up.

### **Prosmart**

Flutter, Bloc, REST API

ProSmart application is the first free online evidence return application in Indonesia. You can download this ProSmart application on Playstore. In this application you can check your belongings that have been used as evidence in court at the Cikarang District Court

### **PTT Uniguard**

Java, REST API, WebSocket, Mumble Server, Google Maps API

Introducing UNIGUARD PTT, a modern communication solution designed to simplify and accelerate your team's communication. In this digital era, we understand that speed, efficiency, and security are key to maintaining smooth business or organization operations. Uniguard PTT is here as an answer to these needs by offering a reliable and easy-to-use Push-to-Talk (PTT) platform.

### **GPS Uniguard**

Kotlin, Swift, WebView, Caching

GPS Uniguard is a mobile application for managing GPS tracking devices. It requires a Traccar server instance to work.

## **BLE Uniguard**

Kotlin, REST API, BLE

BLE Uniguard is a mobile application for managing BLE tracking devices. It requires a Traccar server instance to work.

## **XChat - Real-time Chat App**

Flutter, Go, WebSocket, Riverpod, Clean Architecture, JWT, PostgreSQL, Google Gemini API, OpenAI API, AI Integration

A comprehensive real-time chat application with Flutter frontend and Go backend. Features user authentication, private/group chats, real-time messaging via WebSocket, and AI integration with Google Gemini and OpenAI ChatGPT. Users can interact with AI assistants directly within chat rooms through tools-level integration. The project demonstrates full-stack development capabilities with modern technologies and AI/ML integration.

## **Halmann RFID**

Kotlin, REST API, RFID SDK

The Halmann RFID app is designed specifically for handheld devices equipped with RFID capabilities. The application leverages specialized SDKs provided by handheld device manufacturers to enable seamless RFID tag reading and management. It provides an intuitive interface for tracking and managing various items, batches, and transactions through integrated RFID scanning capabilities.

## **ACHIEVEMENTS**

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- Successfully developed and published 6+ applications on Google Play Store
- Implemented AI integration with Google Gemini and OpenAI APIs in production applications
- Built full-stack applications with Flutter frontend and Go backend
- Experienced in real-time communication systems using WebSocket
- Proficient in both cross-platform and native mobile development
- Strong expertise in modern architecture patterns and clean code principles