

# FATHUL HIDAYAT

Mobile App Developer

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## EXECUTIVE SUMMARY

Experienced software developer with 3 years of programming experience, specializing in cross-platform mobile development (Flutter) and native platforms (Android/iOS). Successfully published 6+ applications on Google Play Store and 1 application on Apple App Store. Expertise in full-stack development with Go backend, real-time communication (WebSocket), AI integration (Google Gemini, OpenAI), and modern architecture patterns. Remote-work ready with strong experience in asynchronous communication, agile methodologies, and distributed team collaboration. Passionate about building scalable, maintainable applications with clean code principles and CI/CD practices.

## PROFESSIONAL EXPERIENCE

### 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

June 2023 - July 2024

## PT Zen Multimedia Indonesia

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

July 2022 - October 2022

### Prahwa

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 EXPERTISE

### 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

## EDUCATION

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### Software Engineering

*SMK YPC Tasikmalaya*

2023

Graduated as top student in Software Engineering program. Specialized in software development, programming fundamentals, and practical application development.

## KEY PROJECTS & ACHIEVEMENTS

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### UniGuardZ

*Technologies: 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

*Technologies: 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**

*Technologies: 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**

*Technologies: 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**

*Technologies: 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**

*Technologies: 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**

*Technologies: 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.

### **Assets Track RFID**

*Technologies: Kotlin, REST API, RFID SDK*

The Assets Track 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.

### **NetGuard**

*Technologies: Android, iOS, Kotlin, Compose Multiplatform, SQLDelight, REST API, Background Tasks, Firebase Cloud Messaging*

NetGuard is a comprehensive server monitoring application built with Kotlin Multiplatform, designed to help employees stay informed about server status and ensure timely maintenance. The app provides real-time server monitoring, incident reporting, and comprehensive analytics to keep your infrastructure running smoothly.

## **PROFESSIONAL ACHIEVEMENTS**

- ✓ Successfully developed and published 7+ applications on Google Play Store and Apple App Store

- ✓ Implemented AI integration with Google Gemini and OpenAI APIs in production applications
- ✓ Built full-stack applications with Flutter frontend and Go backend architecture
- ✓ Experienced in real-time communication systems using WebSocket technology
- ✓ Proficient in both cross-platform and native mobile development methodologies
- ✓ Strong expertise in modern architecture patterns and clean code principles