

RIYAT DUL INSAN

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Senior Software Engineer with 8+ years of experience in Android Native, Flutter, and Full-Stack web development. Expert in building production-ready, end-to-end applications with a focus on architecture and performance optimization. Experienced in integrating AI-driven development to enhance application efficiency.

Work Experiences

PT. Roketin Kreatif Indonesia - Remote, Indonesia

Apr 2022 - Dec 2025

Senior Software Engineer

Full-time

- Led a team of 5 developers to establish and standardize mobile repositories using Clean Architecture (Flutter) and MVVM (Android) under DDD principles, resulting in a 30% improvement in code maintainability and team velocity.
- Architected a CI/CD pipeline using Codemagic, automating releases for AppStore, PlayStore, and Huawei AppGallery, which reduced deployment time by 50%.
- Refactoring of legacy projects and integrated Build Variants for multi-environment support, decreasing production bugs and ensuring seamless scalability.
- Transitioned to the web division in Dec 2024 to develop and maintain high-quality web features using Vue.js and Typescript ensuring production-ready code.

Freelance Developer - Remote, Indonesia

Jan 2020 - Nov 2025

Full-stack Developer

- Full-Stack Solutions: Developed end-to-end applications (Flutter, Laravel, Filament) including Saimen (Digital Signage for Android TV) and FlightSync (International Flight Information system).
- Point of Sale & Logistics: Engineered InstaPOS (SaaS POS with Bluetooth integration) and the Sesama Ecosystem (Consumer App, Driver, and Marketing tools) using Flutter and Google Maps API.
- Public Service & Healthcare: Built SIMAYANG (Utility Billing & Tracking) and KeiMedika (Healthcare Consultation & Booking), focusing on scalable mobile architecture and API integration.

Telkomcel (A Telkomsel Subdiary) - Remote, Timor Leste

Jan 2022 - Mar 2022

Flutter Developer

Full-time

- Developed, refactored, and maintained high-performance Android & iOS applications using Flutter, implementing Clean Architecture and optimized state management.
- Architected user flows and interactive prototypes in Figma, ensuring technical feasibility and high-quality UX across the development lifecycle.

PT. Sangkek - Jambi, Indonesia

Jul 2018 - Dec 2021

Mobile Developer

Full-time

- Engineered and maintained high-performance mobile applications using Android Native (Java/Kotlin) and Flutter, ensuring seamless cross-platform functionality and code reusability.
- Architected comprehensive user flows, wireframes, and high-fidelity interactive prototypes in Figma to bridge the gap between complex business requirements and intuitive user interfaces.
- Deployment & Release Management end-to-end app release lifecycle, from configuring initial deployment environments to successfully managing production launches on the Google Play Store.

Telkomsel (Branch Jambi) - Jambi, Indonesia

May 2017 - Sep 2019

Full-stack Developer

Full-time

- Developed an end-to-end Sales Canvassing application using Android Native (Java) and CodeIgniter 3, integrating MySQL for efficient large-scale data management.
- Architected a dedicated E-Sports Web Portal to manage automated registrations, match scheduling, and live scoring updates.

Education Level

Nurdin Hamzah University - Jambi, Indonesia

Sep 2012 - Nov 2016

Bachelor of Informatics Engineering, 3.40/4.00

- Graduation Project : Expert System for Toddler Disease Diagnosis on Android.

Selected Projects

diCBN - CRM App with Register, Order and Billing Information.

- Architected and standardized a boiler plate repo within implement Clean Architecture, Dependency Injection, DDD principle and Build Variants Flavors.
- Initial deployment, publishing and routine maintenance on Apple AppStore, Google Play Store and Huawei AppGallery.
- Implemented CI/CD using Codemagic and Firebase App Distribution.
- Researched and implemented Payment Integration with Doku, Voip Call and Biometric Authentication.
- Integrated Firebase Cloud Messaging, Firebase Google Analytics and Crashlytics.
- Developed self register feature.

Tugure - Digital Signature and Multi level Approval.

- Leading a team of Flutter developers to build cross-platform mobile applications.
- Initial deployment, publishing for internal and routine maintenance on Apple Appstore and Google Play Store.
- Implemented CI/CD using Codemagic and Firebase App Distribution.
- Integrated Firebase Cloud Messaging, Firebase Google Analytics and Crashlytics.
- Researched and implemented multi-page digital signature placement.

getRISE - Attendance and Leave Request/Approve application.

- Refactored the entire codebase to implement Clean Architecture, improving maintainability and scalability.
- Headed the Mobile Flutter Development team.
- Developed core feature Login, Register and Attendance In/Out with Geolocation.
- Integrated Firebase Cloud Messaging, Firebase Google Analytics and Crashlytics.
- Developed home screen App Widget for Android.

Sesama - Food Ordering Ecosystem.

- Developed Customer Food Ordering app, a Driver app with Google Maps integration, and a Merchant Marketing platform.
- Developed an end-to-end food ordering system, covering user selection, payment, and real-time order tracking.
- Developed a core authentication system featuring Social Auth integration (Google, Facebook, and Apple).
- Integrated Payment Integration(Midtrans) and Firebase Cloud Messaging.
- Initial deployment, publishing and routine maintenance on Apple Appstore, Google Play Store and Huawei AppGallery.

Keimedika - Healthcare and Consultation App.

- Developed a platform Healthcare solution, facilitating seamless interaction between Patients and Doctors via virtual consultations.
- Implemented secure user onboarding, service catalogs, and an Electronic Medical Records (EMR) system with integrated appointment booking.
- Implemented real-time chat and push notifications using Firestore and Firebase Cloud Messaging.
- Initial deployment, publishing and routine maintenance on Apple Appstore and Google Play Store.

Skills & Other Experience

- **Mobile Development** 📱: Android Native, Flutter, Cross-Platform Development.
- **Frontend Development**: Livewire, Vue.js, HTML5, CSS3, SASS, Tailwind, Bootstrap.
- **State Management**: Bloc, Cubit, GetX, Riverpod, Provider, TanStack Query.
- **Backend Development**: Laravel, Filament, Node.js, NestJS, RESTful APIs, Authentication, API Integration.
- **Programming Languages**: Kotlin, Dart, Javascript, Typescript, Golang, PHP.
- **Databases & Storage**: MySQL, SQLite, PostgreSQL, Hive, Local Persistence.
- **Deployment & Distribution**: Vercel, Railway, Firebase App Distribution, Google Play Store, Apple App Store, Huawei AppGallery.
- **Tools & Integrations**: Android Studio, Git, RESTful API, Firebase, CI/CD (Codemagic), OAuth 2.0, Biometric Auth, BLE (Bluetooth), Google Maps, Google Analytics, Crashlytics.
- **Architectures & Best Practices**: Clean Architecture, MVVM, DDD, SOLID, DRY Principles.
- **Testing & Quality**: Unit Testing, Flutter DevTools, Performance Profiling.
- **Others** 🌐: <https://riduns.com/#projects>