



MUHAMMAD RAFA FIRDAUS MARDHIKA

Software Engineering Student | Mobile & Web Developer

Balikpapan, East Kalimantan, Indonesia | +62 896 5480 5939

frafa3253@gmail.com

rafamardhika.github.io | github.com/RafaMardhika

linkedin.com/in/rafa-firdausb25ab9335

SUMMARY

Vocational high school student in Software Engineering who has built **8 application projects** (7 Flutter mobile apps and 1 Laravel web app), with experience integrating REST APIs, managing state (Provider, GetX), and working with SQL databases and Supabase. Contributed to a Django-based e-commerce site and a Roblox game during an internship at PT Sila Teknologi Utama, and is currently interning in the IT department at PT Kilang Pertamina Balikpapan. Has mentored students and participants in 4 programs and holds 10 certifications (HackerRank and Dicoding).

SKILLS

Mobile	Flutter, Dart, Provider, GetX, REST API (http package), SharedPreferences, GetStorage
Web	HTML, CSS, Tailwind CSS, JavaScript, React, PHP (Laravel), Python (Django)
Database & Backend	SQL (Basic to Advanced), MySQL, PostgreSQL, Supabase, Laravel Sanctum
Tools	Git/GitHub (merge requests, team collaboration), Canva, Roblox
Currently learning	ASP.NET and C#

INTERNSHIP EXPERIENCE

IT Intern | PT Kilang Pertamina Balikpapan

Sep 2026 – Present

- Handle IT support requests from users, such as office WiFi connection problems, ID badge access issues, and WhatsApp Web sessions that log out after a USB device is plugged into the laptop.
- Learning ASP.NET for web development.

Software Development Intern | PT Sila Teknologi Utama

Jul – Aug 2026

- **AnnaStore (Django-based e-commerce)**: redesigned the UI/UX of storefront pages (header, product cards, shopping cart, wishlist) for a more consistent look, and added About Us and Terms of Service pages.
- Redesigned the password reset flow, including verification email delivery.
- Fixed bugs on the product detail page, form validation, and display issues caused by duplicated code.
- **Berburu Hantu Nusantara (Roblox game)**: contributed to a game themed around Indonesian ghost legends.
- Collaborated with the team using Git/GitHub, including handling merge requests and aligning code changes.

EDUCATION

IDN Boarding School | Vocational High School (SMK)

Jul 2024 – 2027

Major: Software Engineering

Pondok Pesantren Hidayatullah Pusat, Balikpapan

Jul 2021 – Jun 2024

Junior High School

TEACHING EXPERIENCE (VOLUNTEER)

Student Mentor | MQL Boarding School, Cisarua

Nov 2024

Taught web programming basics (HTML and CSS) over 3 days, including one-on-one guidance during hands-on practice.

Student Mentor | SMK Islam Insan Mulia, Tangerang

Feb 2025

Taught web programming basics and how to build a professional CV with Canva over 3 days.

Student Mentor | SMPN 9 Tangerang Kota

Apr 2025

Taught graphic design with Canva over 3 days, from getting to know the interface to students' first hands-on practice.

Employee Mentor | PT Sistem Digital Inovasi Teknologi

Jun 2026

Mentored a 2-day computer and network engineering (TKJ) education program covering network topology basics.

PROJECTS

Source code available at github.com/RafaMardhika

Schedule AI – AI-Powered Daily Scheduler

Flutter, Supabase (PostgreSQL), Groq API (LLM)

- Generates a daily schedule from a task list (duration, priority, category), working hours, and break length by prompting the Groq language model, then stores the result in Supabase.
- Screens for tasks, schedule generation, history, schedule details (tick off completed items), and settings; 4-table database schema (profiles, tasks, schedules, schedule_items). About 2,200 lines of Dart.

QR Scanner App – Flutter + Laravel REST API

Flutter, Provider, mobile_scanner, SharedPreferences, Laravel Sanctum

- Login/logout with a Bearer token stored on the device, a QR list view, and camera-based QR scanning validated against the API.
- Shows valid, invalid, or already-used results and handles loading and API error states.

E-Library – Book Borrowing System

Laravel 11, PHP 8.2, Blade, middleware, migrations and seeders

- Web app with two roles (admin and user): admins manage books (add, edit, delete) and approve or decline borrow requests; users search for books and submit borrow requests.
- Sign-up/sign-in authentication, admin-only middleware, slug-based routes, and separate dashboards.

Mobile E-Commerce App

Flutter, Provider

- Product catalog with categories, search, product details, shopping cart, wishlist, notifications, profile, and an ad banner slider, plus login and registration screens.
- Cart state managed with CartProvider; 22 Dart files organized into models, screens, and widgets.

PROJECTS (CONTINUED)

Mobile Delivery App (Jamakan)

Flutter, GetX, REST API (MockAPI)

- Food delivery app: menu list from a REST API, menu details, shopping cart, and payment (cash, debit, QRIS) with a centralized color theme.
- GetX controller architecture for the cart and menu data.

Mobile News App

Flutter, GetX, GetStorage, flutter_dotenv, news REST API

- Headlines by category, news search, bookmarks, an onboarding screen, and opening full articles in the browser.
- Separated structure (connect, controller, core, models, screens, widgets); URL and API key kept in a .env file.

KIT – Kabar Indonesia Terkini (Latest Indonesian News)

Flutter, NewsAPI REST API

- Indonesian-language news app with categories (Home, Trending, Business, Health, Technology), search, and bookmarks.
- Falls back to dummy data when the API fails to load.

Al-Quran Seluler (Mobile Al-Quran)

Flutter, REST API (alquran.cloud), audioplayers

- Shows the list of surahs from a public API, verse details, and an audio player to listen to each surah.

CERTIFICATIONS

C# (Basic)	HackerRank	Oct 2026
Frontend Developer (React)	HackerRank	Apr 2026
SQL (Advanced)	HackerRank	Feb 2026
SQL (Intermediate)	HackerRank	Feb 2026
SQL (Basic)	HackerRank	Feb 2026
Cloud and Gen AI Fundamentals on AWS	Dicoding Indonesia	Nov 2025
React (Basic)	HackerRank	May 2025
CSS (Basic)	HackerRank	May 2025
Web Programming Fundamentals	Dicoding Indonesia	Nov 2024
AI Fundamentals	Dicoding Indonesia	Nov 2024

Dicoding course titles are translated from Indonesian.

LANGUAGES

Indonesian (native) | English (intermediate)