

# KAFITRA MARNA IBRAHIM

## Programmer

kafitra.marna@gmail.com • +62 831 8576 0884 • <https://www.buildswithkaf.my.id>

### PROFESSIONAL SUMMARY

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Full Stack Developer and Data Scientist with end-to-end experience delivering web and mobile applications as well as data-driven models. Proficient in database architecture and modeling, RESTful API design, responsive UI development, and machine learning workflows. Collaborative problem-solver who partners with stakeholders to translate business requirements into robust, maintainable solutions.

### PROFESSIONAL EXPERIENCE

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#### Backend Developer Mentor

**Informatic Study Club** | April 2025 – Present

- Delivered a 14-session backend developer curriculum covering PHP fundamentals, modular OOP design, HTTP request handling, PDO-based database interactions, a hands-on PHP project, Laravel MVC with Blade templating, Eloquent ORM, middleware and data validation, RESTful API development, Passport and JWT authentication, and a capstone Laravel application with optional Inertia.js integration.
- Equip participants with best practices for version control (Git), API testing (Postman), and local environment setup (Laragon/XAMPP).

#### Full Stack Developer (Freelance)

**Ingetin.id** | March 2025 – Present

- Built a multi-tenant organization management platform using Next.js for the frontend and Supabase (PostgreSQL) for authentication, real-time data, and storage.
- Designed and normalized the database schema to support organizations, user roles, events, and announcements, ensuring efficient queries and data integrity.
- Developed responsive UI components with Tailwind CSS, enabling seamless task assignment, calendar views, and notification feeds

#### Frontend Developer (Freelance)

**Kalimaya.co.id** | January 2025

- Designed and implemented a marketing landing page in React, utilizing Tabler.io components for a modern, accessible UI.

#### Full Stack Developer & Data Scientist Intern

**BPSDMP Kominfo Yogyakarta** | August 2024 – November 2024

- Fine-tuned a large language model and integrated it into a WhatsApp chatbot using Next.js (UI) and Express.js/Node.js (API), improving help desk response accuracy by 25%.
- Developed Logbook PPNPN, a Laravel-based attendance and activity logging system, featuring automated daily reminders and monthly report exports.

## Full Stack Developer Intern

LMC Universitas Muhammadiyah Semarang | January 2024 – July 2024

OSCE Unimus

- Developed a Laravel-based exam scheduling and scoring system for students, administrators, and lecturers each semester.
- Designed dynamic evaluation rubrics and applied regression analysis to determine pass/fail thresholds.
- Automated room and time-slot assignments and implemented PDF/Excel export of schedules and results.

Dipma Unimus

- Created a QR-code attendance solution in Laravel, reducing check-in times by 80% and improving accuracy.

Sipeta Unimus

- Built a unified registration portal for final project defenses, proposals, internships, and logbooks with PDF report generation.

## Full Stack Developer & Data Scientist (Freelance)

Rojai | December 2023 – March 2024

- Engineered a cross-platform React Native app for Quran recitation correction.
- Developed and trained an audio-analysis model in TensorFlow, reaching >92% correction accuracy.
- Built RESTful APIs in Flask, designed the Supabase database schema for user and session data.

## Full Stack Developer & Data Scientist (Freelance)

Zakat Management System | Nov 2023

- Architected and implemented a Laravel portal to organize and track mosque donation workflows.
- Automated receipt generation, donor records, and monthly reporting—streamlining administrative overhead.

## EDUCATION

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Universitas Muhammadiyah Semarang | Semarang, Indonesia

B.Sc. in Informatics | GPA: 3.90/4.00 | 2022 – Present

MAN 1 Pekanbaru | Pekanbaru, Indonesia

High School Diploma, Science & Mathematics | 2019 – 2022

## ADDITIONAL INFORMATION

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### Certifications:

- **Machine Learning A-Z: AI, Python & R** – Udemmy (2024)
- **Data Science & Data Analysis** – MySkill (2024)
- **Front-End Development** – Coding Studio (2023)

### Technical Skills:

- **Languages:** PHP, JavaScript (ES6+), Python, Typescript
- **Front-end:** React, Next.js, React Native, Tailwind CSS, Tabler.io
- **Back-end:** Laravel, Express.js/Node.js, Flask
- **Databases:** PostgreSQL, MySQL
- **AI/ML:** TensorFlow, Scikit-Learn
- **Methodologies:** SDLC, Agile/Scrum