

Raka Iskandar

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Summary

Fullstack Developer with a deep understanding of software architecture with a commitment to clean, scalable code and hands-on experience integrating AI capabilities (LLMs, Generative AI). Proven track record delivering end-to-end web and mobile solutions across Laravel, Next.js, and Flutter in cross-functional team environments. Successfully led engineering projects that increased evaluation time efficiency by 60% and projects that handled high-traffic systems through security optimization and clean code architecture. Skilled in cross-functional collaboration to create systems that have a tangible impact on user retention and satisfaction.

Education

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Universitas Pendidikan Indonesia
<i>Bachelor of Education, Computer Science Education</i> | Bandung, Indonesia
July 2023 – Present |
| <ul style="list-style-type: none">• GPA: 3.91/4.00• Achievements: Finalist LIDM Divisi ITDP (2025) | |
| SMK Negeri 4 Bandung
<i>Vocational School Diploma, Software Engineering Major</i> | Bandung, Indonesia
July 2020 – July 2023 |
| <ul style="list-style-type: none">• GPA: 87/100• Achievements: Outstanding Student SMKN 4 Bandung (2023), 1st place Turnamen Sains Data Nasional Student Category (2023), 2nd place Programming Contest AE-FEST (2022) | |

Work Experience

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Ekuitas University
<i>IT Intern</i> | <i>Remote</i>
July – September 2025 |
| <ul style="list-style-type: none">• Collaborated in a cross-functional team of four to develop a secure university landing page using Laravel and Tailwind CSS.• Implemented CSRF protection, input validation, and rate limiting to secure the platform ensuring stable uptime during peak enrollment traffic.• Created a dynamic Content Management System (CMS) allowing administrators to update university information, news, and academic schedules efficiently. | |
| Universitas Pendidikan Indonesia
<i>Assistant Practicum</i> | Bandung, Indonesia
September 2024 – June 2025 |
| <ul style="list-style-type: none">• Led and mentored 40+ students per session across core curriculum subjects: Algorithm & Programming, Data Structures, and Database Systems.• Engineered technical assignments covering advanced concepts including Functions & Procedures, Linked Lists & Graphs, and Database languages (DDL, DML, DQL, DCL).• Evaluated student performance through rigorous practical exams, contributing 20% toward final academic grades. | |
| Wastehub
<i>Backend Developer</i> | <i>Remote</i>
September – December 2023 |
| <ul style="list-style-type: none">• Engineered a RESTful API using Express.js and MongoDB serving mobile and web clients for the Banjar Wastehub platform.• Supported features including waste pickup scheduling, logistics tracking, and user authentication through robust data modeling. | |

- Collaborated with frontend and mobile developers to ensure seamless API integration and alignment with project requirements

GoTo Impact Foundation

Remote

Full Stack Engineer Apprentice

June – December 2023

- Built and shipped a full-stack MERN application as part of the Generasi GIGIH 3.0 capstone, implementing RESTful APIs, React component architecture, and MongoDB data modeling.
- Selected as one of 445 participants from 5,257 registrants for the competitive tech talent program designed by GoTo.

Rupbasan Kelas 1 Bandung

Bandung, Indonesia

Software Engineer Intern

April – July 2022

- Led and architected Rubabox, an internal file management web application built with Laravel and Bootstrap, streamlining document workflows for staff.
- Reduced manual file retrieval time by an estimated 5% and fixed legacy guest book features for improved efficiency.

Projects

Analisis

November – December 2025

Side Project

- Architected a decoupled learning evaluation platform (Next.js frontend, Laravel REST API backend) enabling educators to create and distribute assessment questions at scale.
- Integrated Google Gemini LLM to automate data analysis, reducing evaluation time by 60% and enabling natural language interactions

Ekuitas Web | <https://ekuitas.ac.id/>

July – September 2025

Work Project

- Collaborated in a team of four to build a secure and scalable university landing page using Laravel and Tailwind, focusing on robust security measures to handle high user traffic and secure from attacker.

Geats | <https://github.com/codeyzyx/geats>

January 2024

Side Project

- Built the Flutter mobile UI for Geats, a food sustainability app, owning the Nutritional Analysis and Diet Planning screens.
- Integrated RESTful APIs to display real-time calorie and nutrient data, ensuring smooth data presentation for the "Nutritional Analysis" module

Wastehub API | <https://wastehub-api-specs.vercel.app/>

September – December 2023

Work Project

- Engineered with 5 people a robust RESTful API using Express.js and MongoDB for the "Banjar Wastehub" capstone project, facilitating seamless communication between mobile clients and the server.
- Designed complex data models to handle waste management logistics, contributing to the project's selection in the Generasi GIGIH 3.0 industry partner program.

Skills

Languages: Python, Javascript (ES6), Typescript, Java, C/C++, Dart

Frameworks & Libraries: Laravel, React, Next.js, React Native, Flutter, Expo, Django, FastAPI, Express, Node.js

Database: MySQL, PostgreSQL, MongoDB, Firebase, Supabase

Tools: Docker, Vercel, Postman, WSL