

Raka Iskandar

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SUMMARY

Fullstack Developer with over 3 years experience creating digital solutions and leading small engineering teams. Skilled in bridging the gap between user needs and backend systems to build secure, high-performing applications. Adept at integrating AI tools to optimize business workflows, highlighted by successfully engineering an AI-driven platform that reduced evaluation and processing times by 60%.

EDUCATION

Universitas Pendidikan Indonesia

Bachelor of Education, Computer Science Education

Bandung, Indonesia

August 2023 – Present

- **GPA:** 3.91/4.00
- **Coursework:** Algorithms & Programming, Data Structure, Database System, Web Programming, Software Engineering, Object Oriented Programming (OOP), Mobile Programming
- **Achievements:** Finalist LIDM Divisi ITDP (2025)

SMK Negeri 4 Bandung

Vocational School Diploma, Software Engineering Major

Bandung, Indonesia

July 2020 – July 2023

- **Achievements:** Outstanding Student (2023), 1st place Turnamen Sains Data Nasional (2023), 2nd place Programming Contest AE-FEST (2022)

EXPERIENCE

IT Intern (Backend & Security)

Ekuitas University

July – September 2025

Remote

- Collaborated with a cross-functional team of four to develop a secure and scalable landing page for the university (ekuitas.ac.id) using Laravel and Tailwind CSS.
- Implemented CSRF protection, input validation, and rate limiting to handle high spikes in registration traffic and protect the platform from cyberattacks.
- Developed a dynamic Content Management System (CMS) that allows administrators to efficiently update university information, news, and academic schedules.

Backend Developer

Wastehub Alam Lestari

September – December 2023

Remote

- Collaborated with a team of five to design a robust RESTful API using Express.js and MongoDB for the Banjar Wastehub capstone project (wastehub-api-specs.vercel.app), facilitating seamless mobile client communication.
- Designed a complex data model to handle trash pickup scheduling, logistics tracking, and user authentication, contributing to the project's selection for the Generasi GIGIH 3.0 industry partnership program.
- Collaborated actively with frontend and mobile developers to ensure seamless API integration in accordance with project requirements.

Software Engineer Intern

Rupbasan Kelas 1 Bandung

April – July 2022

Bandung, Indonesia

- Led and architected Rubabox, an internal file management web application built with Laravel and Bootstrap, streamlining document workflows for internal staff.
- Reduced manual file retrieval time by an estimated 15% and fixed legacy guest book features for improved website performance.

PROJECTS

Analís | *Next.js, Laravel, REST API, Gemini API*

November – December 2025

- Led the end-to-end development of a decoupled learning evaluation platform, personally driving the frontend development to enable educators to manage multiple-choice assessments at scale.
- Integrated Google Gemini LLM endpoints into an intuitive user interface, automating data analysis to cut evaluation processing cycles by 60% and enable natural language interactions.

Fitwork | *Python, Django, React, PostgreSQL, Gemini API Langchain*

May – June 2025

- Led the engineering of an end-to-end platform that automates cultural fit assessments by mapping candidate traits against corporate Employee Value Propositions (EVPs).
- Developed modular REST API layers using Django to manage structured corporate values data, executing complex database migrations and custom relational mapping in PostgreSQL.
- Integrated a responsive React frontend client with backend analytical endpoints, enabling HR teams to frictionlessly generate, visualize, and review candidate alignment scoring models.

Sm4rty | *Laravel, Tailwind CSS, MQTT Hardware*

November – December 2022

- Developed an MQTT-integrated web application within a two-person team to control remotely electric pumps and water systems in school environments.
- Designed an intuitive dashboard to monitor physical hardware status in real-time water distribution and power consumption at the school.

TECHNICAL SKILLS

Languages: Javascript, Typescript, PHP, Python, Java, C/C++, Dart

Frameworks: Laravel, React, Next.js, Node.js, Express.js, Flask, FastAPI, Django, Flutter

Databases: PostgreSQL, MySQL, MongoDB, Firebase, Supabase

Tools: Git, Docker, Postman, Vercel, Netlify, Antigravity, OpenCode