

# Backend Engineer — Rakamin

**Location:** Kota Yogyakarta, Daerah Istimewa Yogyakarta

**Employment Type:** Full-time (Remote)

**Seniority:** Associate (0–3 years)

**Compensation:** Rp 7.500.000 – Rp 8.700.000

**Status:** Applied

**Tools:** Node.js, Ruby on Rails, LLM, Docker, Kubernetes

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## Description

You'll build new product features alongside a frontend engineer and product manager using Agile, and address issues to keep our apps robust and our codebase clean. As a Product Engineer, you'll write clean, efficient code to enhance our product meaningfully.

Beyond classic backend work, this role includes designing and orchestrating AI-powered systems, integrating large language models (LLMs) into Rakamin's product ecosystem.

## Example Projects

- Collaborate with frontend engineers and 3rd parties to build robust backend solutions for highly configurable platforms and cross-platform integration.
- Develop and maintain server-side logic for central databases, ensuring high performance throughput and response times.
- Design and fine-tune AI prompts aligned with product requirements and user contexts.
- Build LLM chaining flows where one model's output reliably feeds and is enriched by another.
- Implement Retrieval-Augmented Generation (RAG) using embeddings and vector databases to inject context and improve accuracy and relevance.
- Handle long-running AI processes gracefully: job orchestration, async background workers, and retry mechanisms.
- Design safeguards for uncontrolled scenarios: manage 3rd-party API failures and mitigate LLM randomness/nondeterminism.
- Leverage AI tools and workflows to boost team productivity (AI-assisted code generation, automated QA, internal bots).
- Write reusable, testable, efficient code to improve existing systems.
- Strengthen test coverage with RSpec to build robust, reliable web apps.
- Conduct full product lifecycles: ideation → design → implementation → testing → deployment → maintenance.
- Provide input on technical feasibility, timelines, and product trade-offs in collaboration with business teams.
- Engage with users and stakeholders to understand needs and translate them into backend and AI-driven improvements.

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## Required Qualifications

We're seeking candidates with a strong track record in backend web app technologies, ideally with exposure to AI/LLM development or a strong desire to learn.

Experience across backend languages/frameworks (Node.js, Django, Rails) and modern tooling: - Database management: MySQL, PostgreSQL, MongoDB - RESTful APIs - Security compliance - Cloud: AWS, Google Cloud, Azure - Server-side languages: Java, Python, Ruby, or JavaScript - Understanding of frontend technologies - Authentication and authorization across multiple systems, servers, and environments - Scalable application design principles - Database schema design supporting business processes - Automated testing platforms and unit tests - Familiarity with LLM APIs, embeddings, vector databases, and prompt design best practices

We're not big on credentials—CS degrees or prestige aren't required. We care about what you do and how you do it.

You'll report to the CTO directly. Rakamin is a place where **Managers of One** thrive—we trust you to own outcomes and support you to do your best work.

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## Work Setup

- Remote-first: work where you're most effective (home office, co-working, coffee shops)
  - Time zone overlap required with the current team
  - Hiring only candidates based in Indonesia
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## Company

### **PT. Rakamin Kolektif Madani**

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Kecamatan Setiabudi, Jakarta Selatan, DKI Jakarta 12950