

MUCHAMAD RIZKY ALBANI

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Summary

Software Developer with expertise in Backend Development and AI Integration, experienced in building scalable systems and intelligent applications. Skilled in developing RESTful APIs, managing databases, and deploying services, as well as implementing AI solutions using LLM and RAG pipelines. Adept at turning complex requirements into efficient, production-ready systems with a strong emphasis on performance and maintainability.

Work Experience

Software Developer Internship - Telkom Indonesia

Nov 2025 - Present

- Improved contextual chatbot engine, enhancing response relevance and system performance
- Developed voice engine (STT & TTS) using Faster Whisper for speech-to-text and Viper for text-to-speech integration
- Implemented DevOps workflows and deployment pipelines using Docker Hub and manual scripts, while managing and deploying services on DigitalOcean server

Fullstack Developer Freelancer

May 2025 - Present

- Developed an end-to-end e-commerce platform (Flutter PWA) with integrated payment gateway (Midtrans) and shipping API (RajaOngkir), including backend services for product management and transactions
- Built an AI-powered shopping assistant using LLM and RAG pipeline, capable of answering product queries and performing actions such as adding items to cart
- Designed and implemented scalable RESTful APIs to support frontend features and AI integration
- Developed a mobile simulation app (Unity) using Convai AI avatar and LLM API for therapeutic communication training and response analysis

Fullstack Developer Internship - Metaverse Research and Experience Center

Sep 2024 - Jan 2025

- Developed a fullstack web application (MREC) using Laravel and MySQL, improving internship participant management efficiency
 - Built backend systems and integrated Xendit payment gateway
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Education

Diploma in Applied Software Engineering - Telkom University

Aug 2021 - Feb 2025

- Built strong foundation in algorithms, OOP, and data structures using Java
 - Gained hands-on experience in web, game, IoT, and VR development
 - Focused on problem-solving and core software engineering principles
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Additional Information

Technical Skills

- Languages: Java, Python
- Frameworks: FastAPI, Laravel, React
- AI: LLM Integration, RAG, Prompt Engineering
- Tools: Docker, Redis, Git
- Database: MySQL, PostgreSQL
- Cloud: DigitalOcean, GCP

Links

- Web Portfolio: <https://www.rizkyalbani.com>
- LinkedIn: <https://www.linkedin.com/in/rizky-albani>