

# Yudhistira Rafazaky Bando

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## Summary

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Backend-focused software engineer experienced in building scalable backend systems, AI-powered applications, and data-driven platforms. Skilled in developing microservices, intelligent automation, and large-scale data pipelines for analytics and decision support systems. Experienced in integrating artificial intelligence into production systems and designing reliable infrastructure for modern software platforms.

## Experience

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### Backend Engineer

Oct 2025 - July 2025

*Inflow Insight, Sleman, Yogyakarta, Indonesia*

- Built backend services for a marketing intelligence SaaS platform aggregating large-scale marketing and social media datasets.
- Developed an AI-powered chatbot using an agent-based architecture to help users discover, recommend, filter, compare, and look up influencers more efficiently.
- Implemented AI-driven deep analysis pipeline to extract insights from aggregated marketing datasets.
- Designed automated data pipelines for large-scale web data collection and processing workflows.
- Integrated retrieval-augmented knowledge systems to support AI-based analytics and query responses.

### Fullstack Developer Intern

Sep 2025 – Dec 2025

*Widya Imersif, Sleman, Yogyakarta, Indonesia*

- Refactored backend services of a medical kiosk system from Python to Go to improve system performance and maintainability.
- Improved user interface of the kiosk application to enhance usability and interaction flow.
- Developed a web application to capture voice-note inputs and trigger automated webhook pipelines for AI-based processing.

### Backend Engineer Intern

Sep 2024 – Dec 2024

*Widya Matador, Sleman, Yogyakarta, Indonesia*

- Developed fuel consumption prediction feature for a vehicle fleet monitoring platform within a microservices-based backend system.
- Performed exploratory data analysis (EDA) and preprocessing on high-frequency IoT telemetry datasets.
- Designed time-series data storage strategy to efficiently manage large-scale telemetry data collected daily.

### Backend Engineer

Feb 2025 – Jun 2025

*Literasi Digital ADITIF, Sleman, Yogyakarta, Indonesia*

- Developed RESTful APIs to enable communication between frontend and backend services.
- Integrated AWS S3 for scalable cloud-based storage and asset management.
- Researched and implemented Item Response Theory (IRT) algorithms for adaptive digital assessment functionality.
- Containerized backend services using Docker and deployed the application on Google Cloud Platform.

### Backend Engineer

Feb 2025 – Jun 2025

*Gadjah Mada University, Sleman, Yogyakarta, Indonesia*

- Conducted exploratory data analysis and data preprocessing on a college graduation status dataset
- Built a machine learning classification model with appropriate feature mapping
- Developed a server-side application and integrated it with the machine learning model
- Deployed the client-side application using Streamlit and the server-side application using Railway

## Education

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Bachelor of Applied Computer Science, Software Engineering Technology, Yogyakarta, 2022

*Gadjah Mada University*

- Expected Graduation: August 2026 • Current GPA: 3.72 / 4.00 (through Semester 7)
- Technical focus on Backend Engineering, Artificial Intelligence, Data Science, and Cloud Computing.

## Skills

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### Programming Languages

Python, Go, Java, TypeScript, JavaScript, C#, PHP, Kotlin

### Software Development & Frameworks

FastAPI, Flask, Streamlit, NestJS, Laravel, Node.js, Express.js, REST API, gRPC, XML, GraphQL, Websocket

### Data Engineering & Databases

PostgreSQL, MySQL, SQLite, MongoDB, Firebase, TimescaleDB, Data Modeling, Redis

### Artificial Intelligence & Data Science

LangChain, LangGraph, Ollama, TensorFlow, Pandas, NumPy, Exploratory Data Analysis (EDA), Data Preprocessing, Retrieval-Augmented Generation (RAG)

### Distributed Systems & Infrastructure

Docker, Ubuntu Linux, Google Cloud Platform (GCP), Amazon Web Services (AWS), NginX

### Tools

Git, GitHub, GitLab, Apache Airflow, Apache HTTP Server, Apify, Grafana

### Testing & Quality Assurance

JUnit, Selenium, Gatling, k6

## Website and Social Links

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- LinkedIn: [www.linkedin.com/in/yudhistira-rafazaky-bandono](https://www.linkedin.com/in/yudhistira-rafazaky-bandono)
- Personal Website: <https://www.rafazaky.com>