

Muhammad Farhan Editya

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SUMMARY

Informatics graduate from Telkom University (GPA 3.82/4.00), focused on backend with a real interest in the product side. I've built REST APIs in Go, Spring Boot and Laravel — including the full backend for a manufacturing-planning capstone — redesigned a national public-data platform for Indonesia's Ministry of Energy and Mineral Resources, published first-author NLP research, and taught programming for two years as a laboratory assistant. Now I'm looking to grow as a backend developer building products people actually use.

EDUCATION

Telkom University — Bachelor of Science, Informatics
GPA 3.82 / 4.00

Sep 2022 — Jun 2026
Bandung, West Java, Indonesia

- Thesis: *Feature Extraction Analysis for Indonesian Cross-Domain Sentiment Analysis*. Supervisors: Donni Richasdy, S.T., M.T. and Prati Hutari Gani, S.T., M.T.
- Relevant coursework: Database Systems, Machine Learning, Natural Language Processing

PROJECTS

Manufacturing Planning API — capstone (backend)

2026

Go, Gin, GORM, JWT, PostgreSQL, MySQL · sole backend developer

github.com/gitHan25/compro-erp-fmlx

- Built the entire backend: a Go API (Gin + GORM) of around 40 endpoints across eight models — job orders, machines, operation plans with an approval flow, PPIC schedules, G-code files, users, and a token blacklist.
- JWT auth with bcrypt and a token blacklist (logout actually revokes the token); clean handler-service-repository layers, auto-migration, and both PostgreSQL and MySQL support.

TasteCraft — Recipe Discovery Platform (team of 6)

2025

Laravel, Sanctum, MySQL, Flutter, Dart · backend & mobile developer

TasteCraft_BE

- Owned the REST API — 31 endpoints over a six-table schema (recipes normalised into ingredients and steps) — with Sanctum token auth and role-gated admin routes; added database indexes for hot query paths.
- Built the Flutter client against the API: onboarding, authentication, recipe browsing, bookmarks and comments.

GoHealthy — Healthy Lifestyle Application (team of 6)

2024

Java, Spring Boot, MySQL · sole backend developer

be-goHealthy

- Designed a seven-table schema and built 26 REST endpoints for activity scheduling, meal logging and medication reminders.
- Fixed a deployment bug where the client was blocked by CORS and reminders fired at the wrong time — corrected the allowed origin on deploy and synced server time, restoring correct reminder delivery.

Cross-Domain Sentiment Analysis for Indonesian — thesis

2026

Python, IndoBERT, fastText, scikit-learn

- Built a **7,265-comment** Indonesian corpus annotated by three native speakers with majority vote, benchmarked against IndoNLU SmSA; reached **0.804 F1-macro** with IndoBERT features, far above the 0.37–0.43 of the classical TF-IDF approach prior work relied on.
- Diagnosed a 16.1-point cross-domain drop from vocabulary extension via a controlled frozen-body ablation, traced it to transformer-body drift (not the added vocabulary), and cut the penalty to 1.1 points (published first author, ICERA 2026).

EXPERIENCE

Centre for Mineral, Coal and Geothermal Resources (PSDMBP)

Jun 2025 — Aug 2025

UI/UX Design Intern, Information Division

Bandung, Indonesia

- Redesigned GeORIMA, the Geological Agency's public web platform (Ministry of Energy and Mineral Resources) presenting Indonesian natural-resource data at national, provincial and regency level.
- Audited the old interface and restructured the information architecture across seven page templates — shortening the path to commodity-level data for two audiences (general public and geology professionals) — and delivered handover-ready Figma prototypes (desktop and mobile) through weekly reviews.

Telkom University, School of Computing

Jun 2024 — Jun 2026

Practicum Laboratory Assistant

Bandung, Indonesia

- Helped classes of 38–40 students through weekly practicum sessions across five semesters, in Go (Algorithms & Programming), C++ (Data Structures) and Java (Object-Oriented Programming) — walking through material, helping debug, and grading against rubrics.

PUBLICATIONS

M. F. Editya, D. Richasdy, P. H. Gani, "Feature Extraction Analysis for Indonesian Cross-Domain Sentiment Analysis," *ICERA*, Yogyakarta (hybrid), 2026. **First author.**

TECHNICAL SKILLS

Languages: Go, Java, Python, PHP, Dart, SQL, C++

Backend & data: Gin, GORM, Spring Boot, Laravel, JWT / Sanctum auth, REST API & schema design, PostgreSQL, MySQL

Tools: Git, Postman, Figma · **Spoken:** Bahasa Indonesia (native), English & Melayu (professional working)