

Faiq Najib Al-Aziz

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Professional Summary

Backend Developer and Educator with over 4 years of experience building APIs and back-end systems using **Go** and **PHP** for banking, marketing, GPS tracking, and internal enterprise applications. Currently serving as an online tutor at Universitas Terbuka, combining technical expertise with teaching and mentoring. Experienced in migrating legacy systems, optimizing performance (up to **4x throughput improvement**), and designing scalable database architectures on PostgreSQL and MySQL. Skilled in **RESTful API development**, **system architecture**, **process automation**, and **knowledge transfer** with a strong foundation in engineering and information systems.

Core Skills

- **Languages:** Go (Golang), PHP, SQL, JavaScript/TypeScript.
- **Frameworks & Libraries:** Fiber, Echo, Laravel, Livewire, Alpine.js, Tailwind CSS.
- **Databases:** PostgreSQL, TimescaleDB, MySQL, SQL Server.
- **Tools & Platforms:** Docker, Git, GitHub, Bitbucket, Postman, Jira, Slack, Linux, UiPath RPA, Redis, Ristretto.
- **Areas of Expertise:** RESTful API Development, System Architecture & Design, Performance Optimization, Database Migration, Process Automation, System Dynamics Modeling, Technical Instruction & Mentoring, Online Learning Facilitation.

Work Experience

Universitas Terbuka / Indonesia's leading open and distance learning university Indonesia (remote)
Backend Developer Mar 2026 - present

- Deliver online tutorials and learning support for university students in Information System major.
- Facilitate synchronous and asynchronous learning sessions, providing guidance on course materials, assignments, and examination preparation.
- Develop supplementary learning materials and resources to enhance student comprehension and engagement in remote learning environments.
- Provide academic mentoring and feedback to support diverse student backgrounds in distance learning settings.

Vastel (Orin) / Integrated GPS tracker solutions for various vehicle type Indonesia
Backend Developer Jan 2025 - present

- Migrated legacy CodeIgniter/Laravel APIs and MySQL workloads to Go and PostgreSQL, increasing application throughput from around 2,000 to 8,000 transactions per second for GPS tracking workloads.
- Refactored and modularized the backend into a structured service–repository pattern, improving code readability, maintainability, and onboarding time.
- Led migration from MySQL to PostgreSQL for time-series GPS data, leveraging TimescaleDB to handle over one million GPS points per day and approximately 3 TB monthly API outbound traffic.
- Implemented Redis and Ristretto-based caching layers to optimize read-heavy endpoints for fleet tracking dashboards and reduce database load.

Teavaro / SaaS solutions for data-driven digital marketing and data privacy compliance in Europe UK (remote)
Backend Developer Oct 2023 - Dec 2024

- Refactored a legacy marketing and privacy compliance backend into a service–repository architecture, increasing automated test coverage to 75% and reducing production bugs by 40% between Q3-Q4 2024.
- Developed and maintained RESTful APIs using Go and PostgreSQL to support data-driven digital marketing and data privacy workflows for European clients.
- Collaborated with cross-functional teams using Jira, Bitbucket, and Slack to deliver new features and bug fixes on schedule.

PT. Aria Jasa Reksatama / Consulting firm focusing on technical and management solutions Indonesia (remote)
Part-Time Backend Developer Feb 2022 - Mar 2023

- Built and maintained internal inventory management APIs for a bridge and road construction company, focusing on multi-site material and equipment tracking.
- Implemented real-time multi-site stock tracking with barcode scanning, reducing physical versus system stock discrepancies from 10-20% to under 2%.

- Worked part-time (~36 hours per week) in a small engineering team to deliver new features, bug fixes, and incremental improvements to internal tools.

Bank Mega / Indonesian innovative retail and corporate banking solutions. Expanding nationwide. Indonesia
Nov 2020 - Feb 2022

- Automated key Treasury and International Banking processes (tax reporting and bond settlement) using UiPath RPA, reducing process time from around 3 hours to about 1 hour and saving an estimated IDR 12 million per month in labor and error-related costs.
- Built internal dashboards and the Mega Open API portal using Laravel, PHP, and SQL Server, improving visibility and access to internal and external banking services.
- Configured and maintained Linux servers to support development and deployment environments for internal applications.

One Indonesia / Empowering businesses with end-to-end HR solutions and providing a talent pool. Indonesia
Jun 2020 - Aug 2020

- Automated credit-card dispute workflows using UiPath, achieving up to 100% time savings versus manual processes for selected use cases.
- Communicated project progress and outcomes to internal stakeholders, competition judges, and client representatives.

PT. Velacom Indonesia, Radio Frequency Engineer Intern Jul 2017 - Aug 2017

- Evaluated indoor and outdoor cellular signal quality for voice and data services across multiple cities in East Java
- Prepared reports based on field measurements to support network optimization decisions.

Education

Institut Teknologi Indonesia (ITI) – Professional Engineer (Ir.) | IT Engineering | CGPA: 3.9/4.00 Oct 2025 - Jan 2026

- Professional Engineer Program (PSPPI) focusing on applying engineering principles to IT projects and automation.

Institut Teknologi Sepuluh Nopember – M.Com. in Information Systems | CGPA: 3.81/4.00 Feb 2022 - Aug 2023

- Thesis: System dynamics modeling of chili supply chains in Jawa Timur (awarded **Best Master Thesis**)

Telkom University – B.Eng. in Telecommunication Eng. | CGPA: 3.49/4.00 Aug 2018 - Aug 2020

Politeknik Elektronika Negeri Surabaya – Diploma in Telecommunication Eng. | CGPA: 3.42/4.00 Aug 2015 - Aug 2018

Projects

PT Akordium Digital Berkah – MIS-APAR (Fire Extinguisher Management Information System) Jan 2026 - present

- First in-house product of my sole proprietorship company (PT Akordium Digital Berkah), built for CV Andika Jaya Infinite to digitalize light fire extinguisher (APAR) sales, inventory, and maintenance operations.
- Implemented full bookkeeping and ERP-style workflows (customer and product master data, pricing, sales orders, invoices, deliveries, maintenance contracts, payments, documents) for 4 admin users and the owner.
- Developed the system using Laravel, Livewire, Alpine.js, Tailwind CSS, Flux UI, Redis, and MySQL, optimized for internal non-technical users handling day-to-day APAR business processes.

Orin GPS Platform – Backend & Data Infrastructure (Vastel) Jan 2025 - present

- Designed and maintained a real-time GPS tracking backend handling over one million GPS points per day and approximately 3 TB monthly API outbound traffic for multi-vehicle fleets.
- Implemented Go-based services with PostgreSQL and TimescaleDB, plus Redis and Ristretto caching, to support high-throughput, low-latency location processing.

URL Shortener REST API

Dec 2021

- Created a URL shortener backend using Go (Echo), MySQL, and RESTful APIs, published as an open-source project.
- Implemented link creation, redirect handling, and basic analytics with a clean, extensible modular structure.

Certifications & Training

Mastering Backend Golang – Alterra Academy Dec 2021

Anti-Fraud, Risk Management, and AML/CFT Training – Bank Mega Sep 2021

Cybersecurity Workshop – Digitalent Scholarship (Kominfo) Sep 2019

Additional Information

Languages: Bahasa Indonesia (native), English (limited working proficiency)

Interests: Process automation, web development, IoT, reading, swimming

References available upon request