

Faiz Mohammad Hafidza

Backend Developer

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SUMMARY

Software Engineer with 5+ years of experience specializing in backend engineering, API developments, and scalable system architecture. Expert in Golang, PHP, and JavaScript, with hands-on experience delivering enterprise solutions across fintech, e-wallet, IoT, telecommunications, biometric attendance, and digital platforms. Strong in system design, database optimization, distributed services, performance engineering, building reliable, secure, and maintainable systems that solve key challenges.

TECHNICAL SKILLS

PostgreSQL, MySQL, PHP, CodeIgniter, Laravel, Go, NodeJS, TypeScript, JavaScript, ReactJS, NextJS, Yii2, Prompt Engineering, Redis, ExpressJS, Code Review, Database Management System, Solution Architecture, Lead Backend, Object Oriented Programming, SOLID Design Principles

WORK EXPERIENCE

PT. Code Development Indonesia

May 2021 – Present

Software Engineer delivering backend solutions across fintech, e-wallet, IoT, telecom, biometric, and digital platforms at a software house, specializing in Golang, PHP, JavaScript, scalable APIs, system design, database optimization, and reliability

Karir.com

Oct 2022 – Mar 2024

- Develop Backend API for Karir TechnoFair
- Develop Backend API for karir.com
- Develop Backend API for Revamp Karir
- Maintenance Erika (dashboard recruiter for karir.com) with ruby on rails.

Tech: Go, PostgreSQL, Ruby On Rails

MCASH - Konsolidasi Keuangan

Oct 2023 – May 2024

- Develop Backend API
- Create service worker for export/import excel files
- Create service worker for validation balance accountant
- Handling race condition API using pessimistic concurrency control

Tech: Go, PostgreSQL, Apache Kafka, Centrifugo, Apache ZooKeeper

BAF Scan Barcode Enhancement

Feb 2024 – May 2025

- create scalable and good performance RESTful API
- create migration script for database
- discuss about technical issue
- Lead Backend in this project
- store data asset stock opname to PostgreSQL
- handle object storage with MinIO
- use redis for management session login
- integrate API third party for asset management

Tech: Go, Lead Backend, Redis, PostgreSQL, Database Migration

FastMart Maintenance

Sep 2024 – Nov 2025

- Improve flow when cart upsert using ExpressJS Redis SMQ
- Maintain RESTful API using ExpressJS
- make use of AI for solving each issues di RESTful API

Tech: ExpressJS, NodeJS, Redis, PostgreSQL

VOLTA & SGB & SEMOLIS

Sep 2021 – Present

- Develop Backend API for SGB (Sistem Ganti Baterai)
- Create Service for synchronizing regular messages from cabinet and battery to DB
- Create Service for internal reporting
- Develop Backend API
- Create API documentation using Swagger
- Define Unit Testing to ensure correctness of program
- Handling API monitoring on kibana
- Handling upload image to minio
- Maintain dashboard using Yii Framework
- Handle RESTful API using Yii Framework
- add CRON service and DAEMON service using Yii Framework

Tech: Go, Software Development, PostgreSQL, PHP, Yii2, MySQL, Redis, MinIO

Telkomsel - SiGeulis - Gesit Volta

Feb 2025 – Mar 2026

- Engineered robust RESTful APIs for Web CMS and Telkomsel's mini-app (TCMPP), ensuring high reliability and smooth cross-platform integration.
- Developed clean, scalable, and maintainable backend code following SOLID principles to support long-term product evolution.
- Automated critical workflows through cron jobs for reporting, transaction lifecycle handling, and system maintenance tasks.
- Configured Traccar (Java) as an IoT data gateway and built middleware to normalize device telemetry into application-ready formats.
- Managed backend infrastructure using PostgreSQL for transactional data, Redis for caching/session management, and MinIO for object storage.
- Implemented distributed tracing pipelines using Elasticsearch and visualized operational metrics via Kibana dashboards.
- Designed application architecture with the C4 Model, defining service boundaries, containers, API layers, and secure network segmentation.
- Performed capacity and server sizing planning to ensure stable performance and efficient resource allocation across all components.
- Conducted thorough code reviews to maintain engineering standards, improve code quality, and mentor team members.
- Produced technical diagrams (context, container, and integration flows) to improve architectural clarity for engineering and cross-functional teams.
- Implemented Redis-backed session handling to support high-throughput battery charging workflows with low latency.
- Integrated Midtrans Snap for payment processing and delivered secure webhook implementations for real-time transaction updates.
- Built third-party integrations with VOLTA SGB, enabling service discovery for cabinets, batteries, and charging operations.

Tech: Go, PostgreSQL, Redis

Chat Idol

Dec 2025 – Mar 2026

- Engineered an automated WhatsApp content delivery system that distributes the latest idol updates to customers based on their active subscriptions.
- Designed and implemented scheduled content delivery workflows using cron jobs, ensuring subscribed customers receive relevant idol content automatically and reliably.

- Built automated inventory monitoring and admin alert mechanisms to notify administrators when an idol has insufficient content available for subscriber distribution.
- Implemented proactive content availability reminders to alert administrators when idols have no publishable content, ensuring continuous content supply and preventing delivery gaps.
- Developed scalable CRUD APIs for Idol Management, Idol Content, Subscription Packages, and Customer Idol Subscriptions, supporting both CMS and mobile applications.
- Designed backend workflows around subscription-based content distribution, ensuring customers receive only the content associated with their subscribed idols and packages.

Tech: PostgreSQL, NodeJS, ExpressJS

PVR | Palm Vein Reader

May 2026 – Jul 2026

- Engineered backend capabilities for a palm vein biometric attendance platform, enabling enterprise customers to manage employee attendance through biometric scanning devices deployed across multiple company locations.
- Implemented company packages and registration methods, enabling configurable onboarding and attendance management based on each company's operational requirements.
- Designed and executed database migrations and table structure changes to support evolving business requirements while maintaining data integrity and backward compatibility.
- Developed a configurable Shift Rule Management system for company-specific attendance policies, including
- CRUD operations and duplication of existing shift configurations.
- Implemented complex shift rule validation logic to prevent conflicting or duplicate active rules by evaluating validity periods, organizational scope, users, departments, and scan start/end windows.
- Built comprehensive unit tests with 80%+ code coverage, improving regression protection, maintainability, and confidence in critical attendance business logic.
- Introduced an Agent.md development guide to leverage AI-assisted engineering workflows, standardize development practices, and improve development efficiency and code quality.

Tech: Go, PostgreSQL

Duwit | Partner Wallet

Jun 2026 – Present

- Engineered core e-wallet payment APIs based on BI-SNAP, covering Balance Inquiry, Debit Payment, Debit Status, and Debit Cancel for integration with major partner platforms.
- Designed transaction flows with a strong focus on data integrity, consistency, and reliability, integrating PostgreSQL and Redis across critical payment operations.
- Integrated multiple internal services and database domains—including Wallet, Consumer, Partner systems—to ensure accurate transaction validation and synchronization.
- Implemented Redis-based per-user rate limiting middleware to protect payment APIs against abuse and excessive traffic.
- Developed request timeout middleware to prevent uncontrolled API execution and safeguard transaction consistency during downstream failures or slow responses.
- Optimized database performance by migrating table structures and improving query efficiency, particularly for transaction-heavy workloads.
- Built automated partner reconciliation workflows, including file uploads to storage platforms and automated distribution to partner email addresses.
- Integrated third-party WhatsApp OTP services to support secure user authentication and transaction-related verification flows.
- Performed code reviews across Merge Requests, ensuring adherence to engineering standards, maintainability, security, and production readiness.
- Contributed to building a reliable, secure, and scalable payment infrastructure designed to support high-volume partner transactions and financial-grade operational requirements.

Tech: Go, PostgreSQL, Redis

Adira Finance | Ad1Seller 2.0 Revamp

Aug 2026 – Present

- Acted as Solution Architect representing the company in a vendor-driven project to revamp an existing platform.
- Translated business requirements and operational needs into technical solutions, system designs, and implementation guidelines for the vendor development team.
- Designed and defined the database structure and table relationships, ensuring data consistency, scalability, and alignment with business processes.

Tech: PostgreSQL, Database Management System, Solution Architecture