

FADHLILLAH

Software Engineer | AI Native Engineer | Java · Python · JavaScript · Go

South Jakarta, ID · UTC+7 | +62 851-5704-3131 | fadhlillah949699@gmail.com
linkedin.com/in/fadhlillah2 | github.com/fadhlillah2 | fadhlillah2.github.io/Bio

SUMMARY

Backend Software Engineer (6+ yrs) — deep in Java/Spring Boot, adaptable across the languages, domains and paradigms around it. Builds Spring Boot microservices serving 2M+ requests/day, shipping in Python, Node, and Go across healthcare, F&B, and fintech as each problem demands. Adopted AI-augmented workflows early — a production SFTP platform delivered in 10 days against a 17-day plan — and lifted reporting speed 700% via query and data-model optimization on a healthcare platform. Builds LLM-integrated products end to end: RAG systems, AI chatbots, internal automation. Top 50 at the LLaMA Hackathon — equally at home in regulated enterprise systems and fast-moving AI builds.

EXPERIENCE

FOX ASSET — INFINITY WAVE SDN BHD · MALAYSIA (REMOTE)

Backend Software Engineer | Freelance · Dec 2025 – Present

- Primary backend engineer of the Safety Hub (Permit-to-Work/HIRARC forms + safety induction) on FOX Asset, a multi-tenant asset management & maintenance (CMMS) SaaS built on Django REST Framework — 23 data models, 50+ REST endpoints, ~21,000 lines of Python across the two modules
- Built a multi-tier digital approval workflow (PIC acceptance + up to 3 sequential approvers) with digital signatures, rejection/resubmission cycles, and 12 email notification flows
- Engineered async document pipelines: Celery + wkhtmltopdf permit PDFs with embedded QR codes, and a WeasyPrint + Pillow certificate engine with QR verification, watermarks, and expiry
- Solely built the Project Management module backend: 21 REST endpoints, 10 models, Kanban and timeline views, weightage distribution, and S-Curve planned-vs-actual analytics with adaptive daily/weekly/monthly bucketing
- Enforced role-based access control with field-level write restrictions and cross-company data isolation; wrote 196 unit tests for Project Management and 105 for the Safety Hub apps
- Delivered a 2-week AWS/DevOps security engagement: purged leaked credentials from tracked env templates, added gitleaks secret-scanning CI and a database migration-drift gate, and built a staging environment with a GitHub Actions CI/CD pipeline to AWS ECR
- Authored a 1,260-line bilingual (EN/ID) API reference, Postman collections (38 + 23 requests), and 987 lines of deployment runbooks

PT BANK DANAMON INDONESIA, TBK. · JAKARTA, ID

Software Engineer | Full-time · Aug 2023 – Present

- Automated technical documentation with LLMs, cutting cycle time from 40 hours to 4 hours
- Generated test cases achieving 95% coverage on core modules, reducing prep time by 65%
- Built SFTP automation platform in 10 days against a 17-day plan using AI coding tools
- Running 12 microservices (Hexagonal arch). We handle 500k+ daily txs
- Built and operate Spring Boot microservices serving 2M+ requests/day at sub-200ms response times
- Supporting financial systems processing \$10M+ daily volume; consistently meeting 48h reporting SLAs
- Met urgent 48h deadline to deliver a critical financial reporting tool
- Tuned DB queries and caching, improving response times across the platform's user base
- Implemented OAuth 2.0, JWT, and AES-256; passed internal security audits

PT. IDSTAR CIPTA TEKNOLOGI (IDSTAR) · SOUTH JAKARTA, ID

Backend Software Engineer | Remote · Mar 2023 – Jul 2023

- Developed and optimized 40+ RESTful APIs for the OML Innovoice platform
- Implemented enterprise SSO (OAuth 2.0/JWT) and session tracking to enforce authenticated access
- Secured the app against OWASP Top 10 (input validation, SQLi)
- Cut unauthorized access by 95% by adding multi-layer auth
- Managed sessions with Redis; secured the app against OWASP Top 10
- Built an MSSQL email logging system to meet compliance audits
- Dockerized services and hosted on Azure (Apache Tomcat)
- Kept code quality score at 90+ using SonarLint and peer reviews

FREELANCE & PERSONAL PROJECTS · REMOTE

Full Stack Developer | Freelance · Apr 2022 – Feb 2023

- Set up Apache Kafka for real-time event processing
- Hooked up 3+ external systems via REST APIs to automate our data flow
- Built the restaurant booking alerts system using Kafka
- Added Redis caching to reduce database load
- Handled Postgres migration using Flyway with a staged rollout
- Built a notification service delivering email and SMS
- Synced orders with Kitchen Displays and POS terminals using REST APIs
- Built a simulation app using Quarkus microservices. It's event-driven
- Shipped a home-stay booking site (Next.js/Postgres). Integrated Stripe
- Coded an Instagram clone. Used WebSockets for live feeds and MongoDB
- Developed a context-aware AI chatbot on the MERN stack using OpenAI
- Wrote REST and GraphQL APIs using Spring Boot and FastAPI
- Deployed Docker containers to AWS ECS

GitHub - fadhilillah2/reminder-service:

- Set up Apache Kafka for real-time processing. It currently serves 50k+ users
- Hooked up 3+ external systems via REST APIs to automate our data flow
- Built the restaurant booking alerts system using Kafka
- Added Redis caching. This cut DB queries by 60% during the dinner rush
- Handled the Postgres migration using Flyway. I used a staged rollout
- My notification service delivers 50k+ emails and SMS messages daily
- Synced orders with Kitchen Displays and POS terminals using REST APIs

GitHub - fadhilillah2/ai-chatbot-mern:

A beautiful MERN stack chatbot application with a cosmic-themed UI that connects to various AI models including OpenAI, Mistral, and local LLM models

expert-advisor-mt-5 (MetaTrader 5 algorithmic trading — private repo):

- Built 6 MQL5 Expert Advisors (BTCUSD/XAUUSD) with circuit breakers and crash-safe persisted state
- Running a preregistered 24/7 live A/B experiment between two EA variants on a demo account (190 trades); a Python stats pipeline shows the spread-timed arm entered \$0.063/trade cheaper (95% CI excluding 0)
- Deployed on a headless Linux VPS (Wine/MT5, systemd) with cron + Telegram health monitoring
- Backtested 300+ gold strategy variants over 10 years of Dukascopy data; 0 passed preregistered promotion gates

ASSIST.ID · PEKANBARU CITY, RIAU, ID

Backend Software Engineer | Full-time · Hybrid · Jul 2020 – Feb 2023

- Built 100+ RESTful APIs for the IBBR healthcare system
- Integrated 40+ external APIs (payments, logistics, SMS)
- Synced ERP data in real time via REST and webhooks
- Designed a request engine handling multi-level approvals
- Accelerated reports 700% via query tuning and MongoDB materialized views
- Wrote an auto-cleanup job for 10,000+ daily bookings
- Built the auto check-in/out feature using MongoDB time triggers
- Resolved ~100 bugs/month while maintaining 99.5% uptime

EDUCATION

UNIVERSITAS GADJAH MADA · YOGYAKARTA, ID

Bachelor's degree, Mathematics and Computer Science

Activities and societies: Coordinator of LMNAS-28 UGM

CERTIFICATIONS

- Meta Llama Hackathon 2025 - Top 50 — Hacktiv8 Indonesia (Credential ID 032/H8/META/XI/2025)
- Machine Learning with Python — freeCodeCamp, Nov 2025
- College Algebra with Python — freeCodeCamp, Nov 2025
- Scientific Computing with Python — freeCodeCamp, Nov 2025
- SQL — HackerRank, Feb 2023 (Credential ID 61C45ED8B59F)
- HTML, CSS & JavaScript training — Digital Talent Scholarship, Apr 2021
- JavaScript Course — Progate, Apr 2021
- JavaScript Algorithms and Data Structures — freeCodeCamp, Jan 2021

PROJECTS

- my-bio-profile — Jul 2021 – Present; "This is some bio about me"
- high-precision-contract-advisor-rag — github.com/fadhilillah2/llama-docs-auditor
- my-github-repo — github.com/fadhilillah2
- my-leetcode-profile — leetcode.com/orion_omniscient
- my-replit-profile — replit.com/@Fadhilillah
- rate-limiter-project-go — Rate limiting service implemented in Go with support for multiple algorithms and distributed deployments — github.com/fadhilillah2/rate-limiter-project-go

SKILLS

Top skills : Python (Programming Language), Retrieval-Augmented Generation (RAG), Java

Also listed : Go (Programming Language), Django REST Framework, Docker, Node.js, Echo, Dart, Fiber

RECOMMENDATIONS

- "Fadhli is a consistent, friendly, and hard worker person. He is straightforward to be a collaborative person." — Fajri Illahi, Tech Lead at IFG Life (Apr 2023)
- "ambisi sangat dengan language technology,, so this person it's comfortable in software learning, and also in web developer.." — anshori kasri (Jan 2021)