Muhammad Syaiful Anwar

Software & AI Systems Engineer

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Boyolali, Central Java, Indonesia (UTC+7)

SUMMARY

Software and AI systems engineer in Indonesia (UTC+7), working remotely, with a backend core: REST APIs and microservices in Node.js (Express, NestJS), Python (Flask, FastAPI) and Laravel, including bank integration, real-time messaging and Dockerized deployments. I also build AI agents and RAG assistants, mobile apps and the servers behind them. Eight roles since 2022, more than twenty projects, two apps live on Google Play and an open-source tool with 247 GitHub stars.

CORE SKILLS

Software engineering: Node.js (Express, Fastify, NestJS), Python (Flask, FastAPI), Laravel, REST APIs, Swagger/OpenAPI, WebSocket and Socket.io, PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ, Next.js

DevOps: Docker, GitHub Actions CI/CD, Linux servers, Nginx, PM2, AWS and GCP, Loki and Tempo observability, self-hosted deployments

AI engineering: LLM agents with tool calling, RAG (pgvector, Qdrant), speech-to-text (Whisper), generative AI, predictive ML and reinforcement learning, human-in-the-loop workflows

SaaS architecture: Multi-tenant workspaces, role-based access, billing and payments (Midtrans, DOKU), queues and realtime

Mobile: Flutter, Expo and React Native, Google Play releases, WhatsApp OTP login, push notifications

Blockchain: Solidity and Hardhat, Circom and zkVerify (testnet prototype), Solana, exchange data with CCXT

EXPERIENCE

Back End Developer, Taiwan Mobile — Nov 2025 – Present
Remote contract
Building production REST services in Python and Flask. Data models and migrations with SQLAlchemy and Alembic, AI capabilities integrated into backend services, and file storage on Google Cloud Storage.

Back End Developer, Wetalk.id — Nov 2024 – Apr 2025
Full-time
Microservice APIs and bank integration with Node.js and Express, documented with Swagger.

Fullstack Engineer, Neosoft Teknologi Asia — May 2024 – Oct 2024
Full-time · Remote
Built, maintained and optimised a clinic application on the Laravel stack with Vue.js.

Full Stack Engineer, Layana Computindo — Nov 2023 – May 2024
Part-time
Laravel and Node.js APIs for multiple platforms, with Next.js and React front ends in TypeScript.

Back End Developer, Majesthink — May 2023 – Nov 2023
Freelance · Remote

Back End Engineer, Wetalk.id — May 2023 – Oct 2023
Part-time · Remote

Programmer, 7Smarts Indonesia — Jan 2023 – May 2023
Full-time

Fullstack Programmer, Look Creative — May 2022 – May 2023
Contract

SELECTED PROJECTS

ReachAI WhatsApp AI workspace · Live
WhatsApp workspace where AI drafts replies from your knowledge base, with CRM, proposals and invoices.

AlatPintar AI outreach assistant · Live
Finds local prospects on Google Maps and drafts the first message. A person approves before anything is sent.

Hikam Shughro Mobile app + AI · Live on Google Play
Flutter app for a community organisation with a citation-based book assistant (RAG) and Whisper meeting minutes.

Orbyte AI operations manager · Live
AI operations manager for agencies: it flags what needs attention and drafts the next step for approval.

Serbuu! Commerce platform · Live
POS, online shop and marketplace on one shared stock, with multi-branch inventory and payments.

KiosPro Retail SaaS · retired
Retired multi-tenant SaaS for phone shops. Its scope continues in Serbuu!.

LEARNING AND RECOGNITION

- APOB Boyolali, a Laravel application I built at Look Creative, was named best nationally and honoured by Bank Indonesia.
- Mini Class Django & Vue, Coding.ID · Mar 2022
- Android Flutter Fundamentals, Dicoding Indonesia · Mar 2022

LANGUAGES · OPEN TO

English, Bahasa Indonesia. Remote full-time roles, freelance projects, collaboration.