

MUHAMAD SOPIAN

Application Developer & IT Infrastructure

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SUMMARY

Application developer and IT administrator who builds internal tools and small products, then keeps them running on infrastructure he manages himself. Built and maintains FIMS, the school management platform at Fitrah Islamic World Academy, and administers Google Workspace for its staff and students. Outside work, runs two live products (spillpromo.id, omnivetted.com) and the self-hosted stack beneath them: Docker, Dokploy, Cloudflare and a self-hosted Supabase shared by both. Looking for roles in application development, DevOps / infrastructure, or AI-driven automation.

TECHNICAL SKILLS

Build: TypeScript (strict), Node.js 22, Astro (SSR), Tailwind CSS, Zod, AppSheet (low-code), Google Apps Script, PostgreSQL / Supabase (RLS, RPC), MySQL, REST & webhook APIs, role-based access control

Run: Linux VPS administration, Docker & Docker Compose, Dokploy (self-hosted PaaS), Traefik, Cloudflare (DNS, WAF rules, Access), self-hosted Supabase, Beszel monitoring & alerting, Postgres backups, Google Workspace Admin Console, Chromebook device management

Automate: LLM integration (OpenAI-compatible APIs, DeepSeek, Claude), structured JSON output with schema validation, prompt design with injection guards, Telegram bots (grammY), n8n, Evolution API (WhatsApp), web scraping & redirect resolving, Playwright, cron jobs & job queues on Postgres

SELECTED PROJECTS

spillpromo.id — Telegram-driven deal pipeline with an LLM in the loop Sep 2026 – Present
Solo developer and operator · live at spillpromo.id · case study: sopian.id/projects/spillpromo

- Two Docker services (Astro SSR web + Node.js worker with Telegram bot, job queue and cron) on self-hosted Supabase; about 100 commits, 13 numbered migrations and 400+ automated tests in the first three weeks.
- Resolver follows Shopee redirect chains and extracts product IDs before anti-bot pages; 48-hour deduplication; LLM (DeepSeek, JSON mode + Zod) limited to text fields and never allowed to produce URLs or discount figures.
- Auto-publish with guardrails, admin review through inline buttons, per-channel click attribution via /go redirects, daily recap articles generated from data, and an authenticated webhook API used by an external AI writing agent.

Self-hosted infrastructure — 3 VPS, Dokploy, Supabase, Cloudflare 2025 – Present
Owner and operator · hosts sopian.id, spillpromo.id and omnivetted.com

- Dokploy + Traefik on the app server with automatic deploys from GitHub; self-hosted Supabase on a second server firewalled to the first; remote Linux desktop through Guacamole.
- Cloudflare DNS, WAF rules and Access in front of every admin panel; Beszel monitoring with outbound-only agents and Telegram alerts; daily Postgres dumps to object storage.

Omnivetted — developer tools review site with affiliate layer Aug 2026 – Present
Solo developer · live at omnivetted.com

- Astro + Supabase platform: GitHub/Google sign-in, member dashboard, community reviews, admin console, crypto checkout for paid listings (NOWPayments), transactional email (Brevo).
- Pivoted from an automated AI-tools directory to hands-on reviews; added /go affiliate redirects with click stats and disclosure, and ran a security pass: HMAC-verified payment webhooks, server-side pricing, Row Level Security rewritten.

WORK EXPERIENCE

Application Developer & IT Administrator

Sep 2025 – Present

Fitrah Islamic World Academy, Bogor

- Built and maintain FIMS (FIWA Integration Management System), the school's internal management platform, end to end: MySQL data model, AppSheet application layer and the automations around it.
- Own user access across departments: provisioning, deactivation and role-based permissions for staff.
- Automated recurring administrative workflows with n8n, Google Apps Script and WhatsApp notifications (Evolution API), removing manual follow-ups.
- Administer Google Workspace: account lifecycle, roles, Chromebook device policies and licensing.
- Support day-to-day academic operations (lesson rosters, student transfers, report cards) and troubleshoot issues with teachers and front-office staff.

Logistics Administration Staff

Nov 2024 – Jan 2025

PT Porto Indonesia Sejahtera, Bogor

- Ran daily logistics data entry and reporting in Odoo ERP; reconciled physical warehouse stock against ERP records.
- Audited shipping and receiving documentation.

Freelance Developer & Automation

Jun 2022 – Oct 2024

Self-employed, remote

- Wrote automation bots and web-scraping scripts in Node.js for data extraction and notifications.
- Tested protocols and tooling on Web3 networks: smart contracts, dApps and on-chain workflow tools.
- Analysed market data and execution rules for FX and commodities under strict quantitative risk limits.

Coating Operator (Grand Piano and Guitar departments)

Sep 2018 – May 2022

PT Samick Indonesia

- Surface coating of high-value piano and guitar components under strict SOPs; multi-stage quality inspection for finish defects.
- Coordinated with assembly staff and supervisors on inventory use and workflow.

EDUCATION

Bachelor of Computer Science (Informatics)

Sep 2018 – Aug 2022

Universitas Indraprasta PGRI · GPA 3.30 / 4.00

CERTIFICATES

- Machine Learning, Stanford University (Coursera) — [verify](#)
- Front-End Web UI Frameworks and Tools: Bootstrap 4, HKUST (Coursera) — [verify](#)

LANGUAGES

Bahasa Indonesia (native) · English (working proficiency, technical and written)