Ulil Abshor

AI Agent & Automation Engineer · Python · LLM Integration

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Automation & AI engineer. I build the tool that removes one repetitive job — an AI agent, a scraper, a data pipeline, a test suite — with logging, alerts and a human handoff where it matters. Latest build: an AI admin for online shops (WhatsApp chat → guided order form → Google Sheets → WhatsApp confirmation), tested end to end before handover. Earlier work: **112 automated cycles in 24h, 0 failed batches**, a **40-source pipeline with 0 duplicates**, a document chatbot grounded in the user's own files, and Playwright bug-audit suites.

SELECTED WORK

AI Admin for Online Shops — **Python · LLM · Sheets · WhatsApp**

Solo build · 2026 · demo: portfolio-ulil-abshor.vercel.app (90s video)

- Customer chat answered from the shop's own catalog and FAQ — never invents a price; falls back to "let me check with the admin".
- Free-form chat order parsed into a clean spreadsheet row (name, variant, qty, total, address, phone, status); replies in about 1.5 seconds, with WhatsApp confirmation and follow-ups at H+1 and H+3.
- Owner bot for reports and control; customer-facing bot has **no access** to revenue or order data (fail-closed allowlist, rate limit, audit log).

Edge AI Motion Classifier — CI4 pipeline — **MediaPipe · WASM · CodeIgniter 4**

Solo build · 2026 · architecture spec PDF on portfolio

- Pose classifier runs fully in the browser (33 3D landmarks, WebAssembly + GPU delegate, **12–22 ms per frame**); video never leaves the client, only ~120 B state events reach the CodeIgniter 4 backend. Jump/crouch/kick/lying-down rules use joint angles and hip displacement, stabilised by a FIFO buffer and a 300 ms state lock.

Automation Bot — browser game API — **Python · REST · cron**

Solo build · 2026

- Reverse-engineered a private API and wallet-signature login, replacing manual clicking with a scheduled loop; **112 cycles in one day, 0 failed batches**, every action logged and alerted to Telegram.
- Added safety rules: never spend below a token floor, never sell reserved stock, stop on session takeover.

Screening Pipeline — data triage — **Python · SQLite · regex**

Solo build · 2026

- Scrapes public sources without login, resolves shortlinks, fetches each landing page, scores every item, and stores only what is new.
- **40 items classified per run, 0 duplicate inserts** (composite-key dedupe); rule-based classifier with red-flag detection (deposit / KYC / presale) that overrides the source text when the page disagrees.

Auto-Apply Bot · AI Document Chatbot — **Python · SMTP · Streamlit**

Solo build · 2026 · github.com/Lilulil/docai-chatbot

- Auto-Apply reads vacancies from Excel and sends tailored applications with rate limiting (**12 from 33 per run**); doc chatbot answers questions grounded in your own PDFs (Streamlit + vector search).

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, HTML/CSS, Solidity (basics)
- **Automation:** Playwright, PyAutoGUI, OpenCV, cron, REST/JSON APIs, reverse-engineering web apps
- **Data:** SQLite, pandas, Excel, Google Sheets API, scraping and dedupe pipelines
- **AI & chat:** Claude / [OI] API, RAG, vector search, WhatsApp gateway, Telegram bots, n8n
- **Web3:** EVM RPC, ethers.js/web3.py, wallet signatures, contract read/preview flows
- **Ops:** Git/GitHub, Linux VPS, systemd/tmux, WordPress, technical documentation

EXPERIENCE

E-commerce Operations — Luna Lumina — **2024 – 2025**

Store operations, listing optimisation, customer service (English)

- Grew monthly sales from **$250 to $3,000+** through listing quality, pricing tests and faster response times.

CERTIFICATIONS

International Joint Lecture — Cybersecurity & AI for Academic Transformation

Universitas Semarang (USM) × National United University (NUU), Taiwan · 7 October 2026 · 8 JP

Cybersecurity · responsible AI & cyber resilience · AI for industry collaboration · generative AI

- Frontend Web Development — MySkill (2025)
- Artificial Intelligence Specialization — MySkill (2025)
- WordPress Development — MySkill (2025)
- Website Development Fundamental — MySkill (2025)
- Multimedia Production — BLKK Semarang (2021)

AVAILABILITY

- **Open to:** freelance and remote work, worldwide · **Languages:** English (professional), Indonesian (native)
- **Response:** within a few hours on WhatsApp · **Terms:** fixed scope, 50% upfront, 2 free revisions