

Fahroldhi Sukirno

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github.com/acalypha9

Final year Informatics Engineering student at PENS, specializing in Web Development, Cloud Computing, and AI. Experienced in executing complex technical projects involving cloud infrastructure and web applications, I am curious, collaborative, and eager to learn new tools and best practices while ambitious to contribute to Software Engineering or Infrastructure.

EDUCATION

Associate Degree in Informatics Engineering

May 2024 - May 2027

Electronic Engineering Polytechnic Institute of Surabaya - 5th semester

GPA: 3.76

PROJECTS

Homify [↗](#)

Apr 2026 - Present

- Built a REST APIs for an e-commerce store application using Go with the Fiber web framework, structured around a clean separation of handlers, middleware, models, and routes.
- Integrated GORM as the ORM layer with PostgreSQL, handling database initialization, schema migration, and model definitions for the store's data entities.
- Implemented JWT-based authentication middleware to secure protected API endpoints and manage user sessions.
- Configured environment-based application settings using Godotenv, supporting flexible deployment across development and production environments.

ecompi [↗](#)

Apr 2026 - Present

- Built a modular REST APIs that aggregates product data from Indonesian e-commerce platforms without official API access.
- Implemented a stealth headless browser engine using Playwright to intercept internal API calls and bypass advanced bot-mitigation systems.
- Designed a dual-layer caching system with Redis and in-memory storage to reduce rate-limiting exposure and improve response performance.
- Enforced consistent response schemas across all endpoints using Zod validation, supporting product detail, search, and category queries.
- Containerized the full application with Docker & Docker Compose for reproducible, production-ready deployment.

ExportQuiz [↗](#)

Mar 2026 - Present

- Built and deployed a Next.js web app that parses quiz data directly from online quiz platforms without official API access.
- Generated formatted Word documents with configurable output, question numbering, embedded images, answer choices, answer keys, and per-question explanations using Times New Roman formatting.
- Implemented question image extraction with inline document embedding and bulk ZIP archive export, making outputs immediately print-ready.
- Added shuffle functionality to randomize question and answer choice order, enabling unique test version generation from a single quiz source.

openvpn-warp [↗](#)

Jan 2026 - Present

- Built a one-command script that sets up a private VPN server on Linux, allowing devices to route the internet traffic through the server securely and encrypted.
- Added an auto mode so the entire VPN setup, including generating connection profiles for multiple devices, runs without any manual prompts, making deployment fully automated.
- Integrated Cloudflare WARP as the VPN's exit point, so outbound traffic appears to come from Cloudflare's network instead of the server's IP, helping bypass websites that block cloud or VPS IP addresses.
- Handled a common pitfall where enabling WARP over SSH would cut off the user's own connection, the script automatically detects and excludes the SSH session from the routing change to keep access alive.
- Automatically generates ready-to-use .ovpn connection files and prints the exact command to download them from the server, so clients can connect immediately after setup.

iCara [↗](#)

Jun 2025 - Aug 2025

- Built and integrated a real-time sign language recognition model using LSTM and MediaPipe hand landmark extraction, supporting both BISINDO and SIBI.
- Developed the Android application with Jetpack Compose, handling camera input for live gesture capture and displaying real-time transcription output to the hearing user.
- Integrated Speech-to-Text and Text-to-Speech pipelines into a unified two-way communication flow, enabling spontaneous conversation between Deaf and hearing users without a human interpreter.
- Designed and consumed REST APIs for model inference and sign language dictionary delivery, and managed cloud server infrastructure supporting both features.
- Collaborated in a 3-person team using a Design Thinking + Lean MVP methodology; conducted usability testing with the Deaf community to validate core communication flows.

WORK EXPERIENCE

Warehouse Administrator

Feb 2023 - Apr 2023

PT. Multi Indomandiri

Karawang

- Planned and managed daily schedules for loading and unloading trucks, cars, and containers.

- Guided vehicles to the correct loading areas following warehouse rules and procedures.
- Created and organized shipping documents and delivery letters for each load.
- Recorded cargo weight data using Excel and checked for differences between incoming and outgoing loads.
- Entered and checked loading data in SAP to keep warehouse records accurate.
- Worked closely with warehouse staff, security, and drivers to keep daily operations running smoothly.

SKILLS

Programming Languages: HTML, CSS, JavaScript, TypeScript, Golang, PHP

Frameworks & Tech Stacks: Fiber, Node.js, Next.js, Laravel, Flutter, TensorFlow, Docker, Linux , Cloudflare, OpenVPN, Git

LANGUAGES

Indonesia (Native proficiency) • **English** (Professional working proficiency)