

Muhammad Jauhari

Go backend and AI automation developer. Founder of JakraCampGear.

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PROFILE

Informatics Engineering student at Universitas Pasundan and founder of JakraCampGear, a camping gear business in Bandung. I build my business platform myself with Go and React, and I enjoy automating work with AI through function calling and MCP. I am looking for freelance backend and AI automation projects with international clients.

Open to freelance work:

- Go backends: APIs, Clean Architecture, PostgreSQL
- Full-stack web apps with Go and React
- AI integration and automation: LLM function calling, MCP servers

EXPERIENCE

Founder, JakraCampGear, Bandung

Dec 2025 – present

Started in December 2025 and rebranded in January 2026 as JakraCampGear. It sells camping gear first while building capital to open a camping gear rental. I run the store and build its software myself. The online catalog lists more than 80 products in 12 categories, sold through jakracampgear.com, Instagram, TikTok, and WhatsApp Business.

Laboratory assistant, Informatics Engineering, Universitas Pasundan

Participant, CORE ITB x Pertamina business incubation competition

PROJECTS

Jakra platform

Go, Gin, GORM, PostgreSQL, React, TypeScript, Vite, Tailwind, shadcn/ui | jakracampgear.com

The web platform behind JakraCampGear: a product catalog for rent and sale, a blog, and an approval flow so admins review products before they go live. Go backend in Clean Architecture with a React and TypeScript frontend.

Denyut: ask an AI about your smartwatch data

In progress

Zepp OS mini program, JavaScript, Bun, TypeScript, SQLite, MCP, Caddy | denyut.mrfarday.com

A personal health assistant for Amazfit watches. A Zepp OS app syncs sleep, heart rate, stress, SpO2, and activity in the background to my own server, and an MCP server with 17 tools lets Claude or ChatGPT answer questions from that data, compare it with the user's own baseline, and flag early warning signs. Live on a VPS with its own documentation site.

mrfarday.com personal platform

In progress

Go, htmx, PostgreSQL, MCP, Astro, Docker, Caddy, Tailscale, GitHub Actions

My own platform: a vehicle maintenance app with service schedules taken from the official service book, with an MCP server so Claude can log mileage and services, plus this CV site built with Astro. Set up to deploy with Docker, Caddy, Tailscale, and GitHub Actions.

Customer service chatbot (thesis)

In progress

LLM function calling, Go, PostgreSQL, React

A web chatbot for JakraCampGear customer service. The LLM uses function calling to read stock and prices from the real inventory data instead of making them up. Built on top of the Jakra system with a five-layer architecture, following the Prototyping method.

Personal finance over MCP

TypeScript, Bun, MCP SDK, Zod

A personal project for keeping my finances by chatting with an AI. Claude calls my own MCP tools to record income and expenses across multiple wallets and to track loans.

EDUCATION

Bachelor of Informatics Engineering, Universitas Pasundan, Bandung

2021 – present

Thesis (in progress): Implementing function calling in a large language model for a customer service chatbot based on real-time stock availability (case study: JakraCampGear)

SKILLS

Backend: Go, Gin, PostgreSQL

Infrastructure: Docker, Linux, Caddy, Tailscale, Git and GitHub Actions

Frontend: React, TypeScript, Tailwind, htmx, Astro

AI: LLM function calling, MCP servers