

Geonwoo Kim Builder

I remove friction with technology.

Resume

geonwoo.kim
contact@geonwoo.kim
github.com/takealook97

Values

- I aim to be AI-Native. I value vendor neutrality and avoid lock-in to any single LLM.
- I believe an imperfect idea that ships is worth more than a good one that never does.
- I value going far together over going fast alone.

Background

- I have developed backends for a messaging service and Shopify-based e-commerce stores.
- I build integration servers, deployment automation and internal tools as needed.
- I am building my own services on a home server running Proxmox.

Now

- At Lukuku, I build Shopify backends, ERP integrations and custom apps for several brands.
- I design and build the agent operations system for deepeet.
- I bring the tools I build to my team and open-source them.

Workflow

- I develop with a multi-agent pipeline I built around Claude Code, Codex and Gemini CLI.
- I run multiple agents in parallel in terminal multiplexer environments such as tmux and Herdr.
- orch assigns and reviews work; vat tracks repository changes and manages memory.

Education

Dongguk University · Bachelor of International Trade — 2017.03 — 2023.02

Gimpo Foreign Language High School · English department — 2013.03 — 2016.02

Certifications

OPIc IH · ACTFL — 2025.09

SQLD · Korea Data Agency — 2024.04

Training

Samsung Youth SW Academy (SSAFY) · Java track — 2023.07 — 2024.06

Java, Spring Boot, MyBatis, DB, algorithms, Vue.js, web development · worked on 5+ team projects and led 3

Codesquad · Backend course — 2023.01 — 2023.06

CS, Java, Spring, DB, team projects and more

Activities

Notion Ambassador — 2024.07 — 2025.07

- Selected as a global ambassador
- Wrote articles on automating workflows with the Notion API
- Joined beta tests, QA and meetings with ambassadors abroad

Awards

Project Excellence Award · SSAFY — 2024.02

1st place in the common project

Experience

Lukuku

Backend Team
Product Engineer
2026.04 — Present

- Build backends for Shopify-based global e-commerce stores and own their ERP and logistics integrations.
- Gave staff and AI one place to look up company information scattered across 15 sources, including Slack, email and GitHub.
- Routed all ERP communication for the US subsidiary's B2B store through one integration server, so ERP changes touch less code.
- Handled month-end sales reconciliation between a sports brand's Korean online store and its ERP, reducing data mismatches.

Go · TypeScript · Python · Swift · Next.js · FastAPI · PostgreSQL · Prisma · Shopify · MCP · Hermes Agent

space-I · client OS 2026.10 — Present
Advertising performance and daily sales across 3 overseas markets on one screen

Shopify B2B store for a US subsidiary · B2B backend 2026.09 — Present
B2B server that serves catalogs and prices per account and handles orders from submission to partial shipment

Lukuku OS · company ontology and agent operations 2026.09 — Present
Links original sources from 15 places, including Slack, email and GitHub, to 120+ clients and projects

360° video app and AI video server for an installation art exhibition 2026.06 — 2026.08
Unattended on-site app that stitches camera SD card footage and delivers it by QR

Sales reconciliation and integration operations between a sports brand's Korean online store and its ERP 2026.04 — Present
Reconciliation tool that compares about 390,000 rows from 58 days of records and sorts differences by cause

Internal operations agent built on Hermes Agent 2026.04 — Present
Agent that splits Slack requests across nine role-specific agents and handles errors through deployment and recovery checks

offon · company-wide work management system 2026.04 — Present
System that handles everything from attendance to CRM in Slack and serves as the MCP access point for AI agents

Participant-only tournament voucher ordering for a sports brand's Korean online store 2026.04 — 2026.09
Ordering backend that accepts only eligible products at the voucher price and blocks duplicate payments by the same member

Shopify store features and integrations for brands 2026.04 — 2026.07
From AlimTalk reminders for unused coupons 7 days before expiry to marketplace order integration

Biztalk

TS Business Unit · SD Team
Backend Engineer
2025.05 — 2025.10

- Built and ran the servers, batch jobs and infrastructure of BGMS, the messaging system that sends Kakao AlimTalk and brand messages.
- Turned the overdue payment notices the planning team sent by hand every month into a one-button task, owning it from planning onward.
- Replaced manual deployments on IDC servers with a single shell script and built Jenkins pipelines for QA and production.
- Built a tool that encrypts sensitive values in configuration files and rolled it out company-wide.

Java · Spring Boot · Spring Batch · JPA · MyBatis · MySQL · Redis · AWS MSK · Jenkins

AWS MSK 3.8 migration 2025.08 — 2025.09
Configuration for about 160 topics recreated automatically on a new cluster

BGMS log masking module 2025.07
Local caching avoids more than 25 Redis lookups per log entry

Overdue payment notice RPA 2025.06 — 2025.07
Overdue notice work reduced from over 2 days to 10 minutes

BGMS messaging system development and operations 2025.05 — 2025.10
Feature work and operations for a messaging system sending about 400 million messages a month

Deployment pipeline setup and internal GitLab migration 2025.05 — 2025.10
17 deployment pipelines for QA and production environments

Server configuration management and deployment scripts 2025.05 — 2025.10
Configuration standards and patch automation for more than 50 production servers

KakaoTalk sending and template statistics collection server 2025.05 — 2025.06
Sending statistics for over 8 million messages a month

CJ OliveNetworks
Smart Manufacturing and Logistics Solutions Development Intern
2024.06

- Planned an OCR workflow to reduce manual entry of work records in the MES.

Projects

deepeet

Co-founder · Builder
2026.07 — Present

- Design and build an AI-Native commerce business where AI agents handle operations across the business.
- Agents and automated systems handle orders, purchasing, price changes, listing preparation and financial reconciliation.
- Gave each agent a separate role and set of execution permissions so it works only within those limits.
- Reached 700+ orders and over ₩10M in cumulative revenue within three months through automation.

Go · TypeScript · Python · Next.js · PostgreSQL · MinIO · Playwright · Proxmox · Docker · Hermes Agent

AI-Native commerce run by agents 2026.07 — Present
Reached 700+ orders and over ₩10M in revenue within three months through automation.

Advertising operations 2026.10
Handles Toss Shopping ad performance and changes on one screen and brings ad spend and ad-driven orders into profit

Pricing, promotions and settlement 2026.08
Updates channel sale prices to reflect supply costs and fees, and reconciles profit against settlements and actual cash

Routing and sales status control 2026.07 — 2026.09
Picks the supplier whose specs match each sales option exactly, and pauses sales when no purchase route is left

Agent operations and organizational memory 2026.07 — 2026.08
A lead agent assigns work to role-specific agents, and keeps incident and business records across restarts

Sourcing data 2026.07 — 2026.08
Combines wholesale supplier prices with search demand and competition to choose what to sell among fruit that can be supplied

Development and infrastructure operations 2026.07 — 2026.10
A release process that coordinates changes across 19 repositories with vat and checks production state and business records after deployment

Operations console and customer service 2026.07 — 2026.08
An operations console for orders, purchasing, pricing and settlement, with customer texts and claims linked to each order

Product listing 2026.07 — 2026.08
The listing agent drafts the plan and detail page assets, then products that pass the checks are published on two channels and confirmed through official lookups

Order automation 2026.07 — 2026.08
This was the first thing deepeet built. It carries each order from customer payment to purchase order, tracking number and confirmed delivery.

Personal

vortesso · coffee journal app 2025.10 — 2026.03
A coffee journal that fills in entries from the bean details on card photos

gloticker · macro indicators Chrome extension 2025.03 — 2025.05
300+ cumulative users across 7+ countries

underthekey · custom keyboard platform 2024.08 — 2024.11
500 users in 2 days

SSAFY

seoulpop · location-based history walks 2024.04 — 2024.05
Team and backend lead for member and history lookup APIs and infrastructure

lyricit · real-time game built on song lyrics 2024.02 — 2024.04
Backend lead for real-time chat, game messaging and infrastructure

jansorry · holiday nagging receipts 2024.01 — 2024.02
About 200 sign-ups over Lunar New Year

newjibs · real estate investment simulator 2023.11
Sales records reduced from over 4 million to about 60,000

triplet · travel expense diary 2023.09
Selected for the Shinhan Bank hackathon from 8 applicants per place

---

Tools and open source

wiki-island 2026.11 — Present
Connects to 10 developer tools through 15 MCP tools without calling a model

herdr-cockpit 2026.11 — Present
Sessions and usage across accounts and machines on one screen

orch 2026.09 — Present
Work finishes only after a model other than the author verifies it

vat 2026.08 — Present
Records changes and decisions with sources so the next task picks them up

hermes-agent 2026.08 — Present
Fix that stops macOS privacy prompts during home-folder searches

offon 2026.04 — 2026.08
Split off from the company work management system,
MIT-licensed and self-hosted

sshift 2025.07 — 2025.08
Jump-server SSH to 50+ servers with one command