

Junhwan Seok

Founder, Backend & AI Lead at Stocky

Seoul, South Korea | [LinkedIn](#) | [junhwan.me](#) | [github.com/clark1015](#)

Backend engineer and AI systems builder shipping production applications. Focused on cost-efficient LLM pipelines, data infrastructure, and making architecture decisions that stick.

EXPERIENCE

Founder & Backend / AI Lead Stocky	Mar 2026 — Present Seoul
Built and shipped a production ETL pipeline ingesting global market news every 15 minutes with embedding and event clustering. Reduced daily LLM spend by 76% through model routing, prompt caching, and batching. Replaced an LLM classifier with deterministic logic plus embedding fallback, improving accuracy from 19% to 46% at a quarter of the cost. Moved financial computations from LLM to rule-based code, eliminating fabricated numbers and cutting the core module from 1,458 to 365 lines.	
Team Lead CARRIO	Sep 2025 — Dec 2025 Seoul
Led auth, data modeling, and API backbone for an AI writing assistant with four engineers. Owned all Alembic migrations and contributed 63 backend commits, the most on the team. Designed two three-agent LangGraph pipelines for source extraction and draft generation.	
Developer Seoul-in-Culture Team	Jan 2025 — Dec 2025 Seoul
Built a batch scheduler ingesting Seoul Open Data into MongoDB on a fixed cycle. Owned the meeting-domain API. Developed for the Seoul Open Data public-data competition.	
Military Service Republic of Korea Air Force	May 2023 — Mar 2025

EDUCATION

Korea Data Agency SQLD (SQL Developer)	May 2026 — May 2026
Kookmin University Bachelor of Engineering in 소프트웨어학과	Mar 2021 — Aug 2027
One of 8 students selected for Kookmin-Irvine global program; exchange study at Westcliff University, Irvine, CA (Sep 2026 – Feb 2027)	

PROJECTS

Authentication Service , WinkBootCamp, a Spring Boot authentication system Split one Redis instance across three lifetimes: 5-minute verification-code TTL, 14-day refresh tokens, and a blacklist for revoked access tokens. Moved email delivery onto RabbitMQ to prevent SMTP latency from blocking the auth API. Built the full deploy path from Docker Compose through GitHub Actions to AWS EC2 with Spring Security, JWT (15-min access / 14-day refresh), and Kakao OAuth2.	
Batch scheduler for Seoul Open Data , Seoul-in-Culture Ingested Seoul Open Data on a fixed cycle into MongoDB. Owned the meeting-domain API. Built for the Seoul Open Data public-data competition.	

CERTIFICATIONS

Grand Prize (최우수상), 2026 KMU AI Startup Competition , Kookmin University Industry-Academic Cooperation Foundation	Aug 2026
SQLD (SQL Developer) , Korea Data Agency	May 2026

SKILLS

백 엔드 웹 개발 · CI/CD · 아마존 웹 서비스(AWS) · SQL · RabbitMQ · 사업전략 · Software Architecture · Git · Large Language Models · PostgreSQL · FastAPI · Python · Java · Spring Boot 3.5 · SQLAlchemy 2.0 · Alembic · REST API design · pgvector · Redis · MongoDB · ETL pipeline design · Docker · GitHub Actions · AWS RDS · LangGraph · OpenAI · Claude APIs · model routing · prompt caching	
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