

AI Engineer · LLM Systems

On-Prem LLM Infra · Access-Controlled Memory · Security-grounded
Gyeonggi-do, South Korea | bk@bkan.dev | (+82) 10-4676-5884 | [GitHub](#) | [Portfolio](#) | [Threads](#)

SUMMARY

Security-grounded AI engineer building cloud-independent, on-prem LLM infrastructure and access-controlled memory systems.
3 years in SOC/CERT (CMT EYES) → **FastCampus AI Bootcamp (14th)** → **enterprise AI freelancer** → solopreneur.
Delivered 22+ projects across multi-agent, RAG, and AI knowledge systems, including 2+ shipped product MVPs.
Seeking a full-time **AI/LLM engineering** role.

CORE SKILLS

LLM	Multi-Agent Orchestration · Agentic Workflows · RAG Pipeline · Tool Use/MCP · Claude Code Harness · Prompt Engineering · Eval-Driven Dev
AI / ML	PyTorch · Transformers · QLoRA/LoRA · LightGBM · Optuna · Local LLM Fine-tuning · Feature Engineering · Ollama · Qwen · Gemma
Web	Next.js · React · TypeScript · FastAPI · Tailwind CSS · Drizzle ORM · BetterAuth · LangChain · Vercel
Data / DB	PostgreSQL · pgvector · Supabase · Neon · SQLite FTS5 · MySQL · Schema Design / Data Modeling
Infra	Docker · GitHub Actions · CI/CD · Bash
Security	FortiGate/UTM · FortiSIEM · WAF/IPS · Wireshark · SOC / CERT
Language	Python · TypeScript · SQL · Bash

EXPERIENCE

- Enterprise AI Systems - Freelance AI Engineer / Technical Lead**2026
 - Built an always-on, cloud-free **on-prem multi-agent LLM cluster** on **15 Mac Studios** over Tailscale with auto-recovery
 - Designed a normalized **27-table** call-center/customer schema; **passed** 2 external reviews and adversarial code review
 - Automated work logs and daily reports with access-isolated **Hindsight** memory and a **Graphify** knowledge graph
- AI Engineer · LLM Systems / Solopreneur**2025 - Present
 - Planned, built, and **shipped 2+ MVPs**: **OurFolio** (evidence portfolios), **ASHD v2** (OCR+LLM warranty management with eval gates), and **BluePy 2.0** (open-source security scanner)
 - Operated **BK-HQ**: 15 AI agents, 4 teams, 31 skills, 19 automation hooks, and 5 crews
- Franchise Business Owner/Operator**2021 - 2025
 - Applied POS data to demand forecasting, inventory optimization, and customer analysis, motivating a move into AI/ML
- Security Monitoring Engineer, CMT EYES**2018.02 - 2021.02
 - Monitored **20+ Fortinet WAF/IPS/UTM/SIEM appliances** for **50+ clients** and handled 1,000+ monthly events, improving false/true-positive classification accuracy by **50%+**
 - Ran the full CERT lifecycle (detect → analyze → block → policy → report); automation cut handling from **30 min → 5 min**

KEY PROJECTS & COMPETITIONS

- **Project details:** [Career Portfolio](#) · [bkan.dev](#)
- Products** · OurFolio (Next.js 16·Neon·Drizzle, Showcase) · ASHD v2 (Next.js 15·Supabase·OCR, MVP) · **BluePy 2.0** (open-source security scanner) · Subari-Wukong (concepts)
- AI Infra** · BK-HQ (15 agents·4 teams) · 5 Smart Skill Chains · Social media automation · Agent Dashboard · Compound knowledge system
- Competitions** · Toss Ads CTR **Top 10%** · Science QA IR (RAG) MAP/MRR **+107%** · Document image classification F1 **+470%** · Dialogue summarization ROUGE +30% · Real-estate prediction RMSE -58%
- AI/ML** · Marketing AI multi-agent system · Movie-rating MLOps (E2E CI/CD) · LLM RAG training content

EDUCATION

- FastCampus AI Bootcamp** 14th cohort2025.06 - 2026.01
(completed)
- B.Eng. in Information Security** Academic Credit Bank2018
System, Korea

CERTIFICATIONS

Industrial Engineer Information Processing (2017) · Network Administrator Level 2 (2017) · Craftsman Information Equipment Operation (2023) · Smart Home Manager (2023)