

Do Cao Hieu

DevOps Engineer · AI Infrastructure

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Self-taught DevOps engineer specializing in AI infrastructure. I design and operate a **5-server production fleet** (97 Docker containers, 5-node WireGuard full-mesh VPN) with full LGTM observability and GitOps-style CI/CD — and ship real products on top of it. Author of **6 technical books** on DevOps and production AI.

EXPERIENCE

DevOps Engineer & AI Infrastructure — Self-employed

2023 — Present

- Design and operate 5 production servers running 97 Docker containers across a 5-node WireGuard full-mesh VPN.
- Full LGTM observability (Prometheus, Grafana, Loki, Tempo) + Beszel; CI/CD with Jenkins, Harbor registry, and Terrakube / Semaphore for IaC.
- Shipped and maintain IELTS Pocket (AI-graded IELTS SaaS), Clinic ERP, and a self-hosted DevOps Lab Platform.

AI Data Contributor — Outlier

2024 — Present

- Top 5% highest-performing contributor globally.
- Train and evaluate frontier models (Claude, GPT, Gemini) through expert prompt engineering and code review.

IT & Technical Support — Furniture Manufacturer

2019 — 2023

- Ran IT for 30+ staff: workstations, LAN / Wi-Fi, file server / NAS and backups; maintained CNC machine systems.

TECHNICAL SKILLS

Cloud & Edge	AWS · Google Cloud · Cloudflare
Containers / Orch.	Docker · Kubernetes · Harbor
IaC	Terraform · OpenTofu · Pulumi · Ansible
CI/CD & GitOps	GitHub Actions · Jenkins · ArgoCD · Tekton
Observability	Prometheus · Grafana · Loki · Tempo
Databases	PostgreSQL · Redis · pgvector
Languages	Python · Go · Bash · TypeScript
AI Infrastructure	MCP · Claude Agent SDK · Gemini API · vector DBs

SELECTED PROJECTS

- Self-Hosted Fleet** — 5 servers · Traefik edge · full LGTM monitoring · Kopia backups.
- IELTS Pocket** — AI-graded IELTS preparation platform (Gemini API, TTS, Next.js) · ieltspocket.com.
- DevOps Lab Platform** — browser-based hands-on infrastructure labs (sysbox, k3s) · devops.docaohieu.com.
- 27 open-source IaC & automation toolkits** — Ansible, Terraform, ArgoCD, monitoring stacks.

WRITING & EDUCATION

Author — 6 technical books. "AI Agents in Production" (Gumroad), DevOps Field Manual (848 pp.), DevOps · Level MAX, Docker Compose Toàn Tập, DevOps Tricks, DevOps Bằng Hình.

B.Eng, Automotive Engineering Technology
Ho Chi Minh City University of Technology and Education (HCMUTE) · 2015 — 2019