

陳建豪 Jimmy Chen

AI ENGINEER · DEVOPS / SRE

jimc1682000@gmail.com · github.com/jimc1682000 · linkedin.com/in/594jimmychen · jimc1682000.blogspot.com · Taipei / Tainan

13 years of cloud / DevOps / SRE foundations, recently focused on AI / agentic engineering — self-hosting an AI platform, building Claude Code skills and agentic workflows, and knowledge-base automation — bringing AI into production and operations on the back of deep AWS operations and automation experience.

CORE SKILLS

- **AI / Agentic** : Claude Code 、Skills / MCP 、CI/CD guardrails 、Agentic workflows 、RAG / knowledge base 、AWS Bedrock
- **Cloud / Platform** : AWS (deep) 、EKS 、GCP 、Kubernetes 、Docker 、ECS
- **IaC / CI-CD** : Terraform 、Ansible 、Chef 、Gitea 、Jenkins 、Go
- **Observability** : Prometheus 、Grafana 、ELK 、CloudWatch 、DevOps Guru
- **Languages / Backend** : Go 、Python 、Java 、JavaScript 、Bash
- **Databases** : MySQL 、PostgreSQL 、Aurora 、DynamoDB 、MongoDB 、Redis

IMPACT HIGHLIGHTS

- Led the team coding-agent toolchain, shipping 5 shared skills (adopted org-wide in DevOps, bw rolling out to the Tech team)
- Self-hosted / open-weight LLM inference evaluation (open-weight MoE on AWS GPU EC2) + an LLM-as-judge eval loop (film-brain nDCG@5 0.93 → 0.96)
- Sole owner of the GitLab → Gitea migration: hundreds of repos, the whole engineering org, < 2h off-peak cutover
- Cloud cost optimization: EC2 RIs / Fargate Spot ~20% each, MediaLive Reservations ~50%

AI / AGENTIC ENGINEERING

- Built a knowledge-base automation pipeline (raw → digest → semantic search / NotebookLM) integrated with Jira / Notion; shared HITL practices publicly and open-sourced the ai-kb methodology
- Self-host and operate an AI platform (OpenClaw on VPS), bringing agentic workflows into production operations
- Business foundation × AI-agent governance: a management lens on multi-agent orchestration and ops decisions — guardrails ≈ accountability controls, scoped authorization ≈ delegation, harness / loop ≈ organizational design

EXPERIENCE

Staff DevOps Engineer · CATCHPLAY

2024.04 — Present

- Led the team's coding-agent toolchain (command → plugin → skill), shipping reusable knowledge-base and account & secrets management skills; co-built an EKS reference environment with AI-assisted guardrails (pre-commit secret scan, PR gates, layered secret scanning); member of the ai-squad (a Tech-Lead-formed AI initiative)
- Sole owner of the GitLab → Gitea migration (hundreds of repos, the whole engineering org, < 2h off-peak cutover); built Vaultwarden and rolled out Bitwarden; evaluated and adopted Bruno to replace Postman
- Built a multi-channel event-driven FAST monitoring platform (CloudWatch → SNS → Lambda → Slack / LINE, alert heatmaps, automated weekly reports, Terraform IaC); integrated AWS Elemental (MediaLive / MediaPackage / MediaTailor, DRM, Global Accelerator, SPEKE, IVS)
- Built reusable Serverless Lambda Terraform modules and Jenkins automation; developed Geo-block deployment automation in Go
- Re-architected the data layer: Aurora read replicas, MySQL / PostgreSQL parallel operation, RDS Proxy (absorbing bursts of thousands of simultaneous connections), Redis 5 → Valkey 7 upgrade (cost + EOL); led the Airflow 1.x → 2.0 upgrade (UAT + Production, many DAGs); built a DynamoDB monitoring dashboard + DevOps Guru
- Multi-cloud governance and security: GCP permission tightening and API-key cleanup; AI-assisted DRM / WAF / CVE audits; Akamai LDS → DataStream 2 IaC; audited and cleaned up idle EC2 snapshots; client-project environments and CDN network allowlists
- Used SQS for a major telco partner's high-volume orders; evaluated and rolled out AWS Bedrock, Secrets Manager, and Personalize; designed S3 + NAS hybrid storage and Akamai IaC CDN automation

Senior SRE Engineer · TrendMicro

2021.09 — 2024.03

- Multiple DR drills / maintenance windows + cross-service incident response; audited and decommissioned idle resources for cost, tuned data transfer and logging
- Drove the Opsworks → ASG / SSM migration; built E2E monitoring and a service readiness review process

Senior DevOps Engineer · GoFreight

2020.10 — 2021.09

- EKS HA / rolling upgrades; containerization + CI/CD unit tests; ELK centralized logging; EC2 RIs for cost; MySQL 5.6 → 8.0

Senior DevOps Engineer · CATCHPLAY

2019.02 — 2020.10

- One-click multi-env CI/CD + stress-test profiling; Airflow scheduling; ELK + Curator logging; EC2 Spot / RIs for cost

Senior Java / DevOps Engineer · Groundhog Tech

2017.11 — 2019.02

- Deployed DSP / DMP; introduced Kubernetes / Ansible / GitLab CI/CD; firewall security audits; maintained the CovMo signal-optimization system

Early Career

2012 — 2017

- **Bank SinoPac** (Java Web, 2015 — 2017) investment-workflow system + RESTful services; **Gping / Gobooks** (System Eng, 2012 — 2015) firewall / network, VMware HA + P2V, Windows AD / Exchange, WSUS

SELECTED PROJECTS

[film-brain](#) · [a-day-with-my-ai-wife](#) · [OKD4 Home Lab](#) · [CDN Traffic Report](#) · [Enlighten by Item](#) · [Java Dojo](#) · [ZK 101](#)

EDUCATION, CERTIFICATIONS & LANGUAGES

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- **Education:** Soochow University, B.A. (2007 — 2012) · Tainan First Senior High School (2004 — 2007)
 - **Certifications:** RHCE · CEH · OCPJP7 · MCITP · CCNA
 - **Languages:** Chinese (native) · English (professional working proficiency · TOEIC 845)