

陳建豪 Jimmy Chen

SENIOR PLATFORM ENGINEER

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13 years across IT infrastructure and cloud platforms. Linux systems administration (RHCE), KVM/VMware virtualisation, and HAProxy HA architecture — extending into large-scale Kubernetes/EKS platform engineering. Deploys infrastructure automation with Ansible / Terraform / Go, and brings hands-on SRE depth in incident response, DR drills, and full-stack observability with Prometheus / Grafana / ELK.

CORE SKILLS

- **Linux / Virtualisation** : Linux 、 RHCE (cert) 、 KVM / QEMU 、 VMware 、 Bash 、 Docker 、 yum / RPM
- **HA / Reliability** : HAProxy 、 DR / failover drills 、 Incident response 、 NFS 、 HA architecture
- **Networking / Systems** : pfSense / Firewall 、 BIND DNS 、 TCP/IP 、 VPN 、 iptables
- **laC / Automation** : Ansible 、 Terraform 、 Chef 、 Go 、 Python 、 Jenkins
- **Observability** : Prometheus 、 Grafana 、 ELK 、 CloudWatch
- **Cloud / K8s** : AWS (deep) 、 Kubernetes 、 EKS 、 ECS 、 GCP

IMPACT HIGHLIGHTS

- Self-built a full OKD 4.4 (OpenShift upstream) cluster (two physical KVM/QEMU hosts, HAProxy / BIND / NFS / pfSense end-to-end)
- Sole owner of the GitLab → Gitea migration: hundreds of repos, the whole engineering org, < 2h off-peak cutover
- Built a multi-channel event-driven FAST monitoring platform (CloudWatch → SNS → Lambda, Terraform laC)
- Led the Airflow 1.x → 2.0 upgrade (UAT + Production, carrying many DAGs)
- Cloud cost optimization: EC2 RIs / Fargate Spot ~20% each, MediaLive Reservations ~50%

PLATFORM ENGINEERING CORE COMPETENCIES

- **Virtualisation / HA**: KVM/QEMU OKD 4.4 full cluster (HAProxy / BIND / NFS / pfSense); VMware vSphere HA + P2V migrations; HAProxy multi-backend load balancing; EKS rolling upgrades; Aurora Read Replica + RDS Proxy HA; multiple DR drills at TrendMicro
- **Linux / Networking / Storage**: RHCE certified; yum server for centralised RPM; Kubernetes node-level cgroup / namespace; FCOS ignition; pfSense DHCP/NAT/Firewall; BIND DNS; NFS persistent storage; iptables / VPN
- **Automation / laC**: Ansible (DSP/DMP deployments, OKD4 playbooks, Kubernetes + Gitea / Jenkins); Terraform (Lambda modules, EKS infra, Akamai DataStream 2, multiple AWS services); Go / Bash (Geo-block automation, yum/RPM scripts, OKD4 bootstrap)
- **Observability**: FAST-channel monitoring (LINE Bot / Slack; weekly reports + alert heatmaps); DynamoDB dashboard + DevOps Guru anomaly detection; centralised ELK logging; end-to-end (E2E) monitoring
- **Incident Response / SRE**: cross-service incident response at TrendMicro; Service Readiness Review; multiple DR drills / resilience tests; pre-commit / PR-gate guardrails

EXPERIENCE

Staff DevOps Engineer • CATCHPLAY

2024.04 – Present

- Built an EKS reference environment with Ansible + Terraform; deployed guardrails (pre-commit secret scan, PR gates, layered secret scanning)
- Built a multi-channel event-driven FAST monitoring platform (CloudWatch → SNS → Lambda → Slack / LINE, heatmaps, automated weekly reports, Terraform laC); added DynamoDB dashboard + DevOps Guru
- Re-architected HA database layer: Aurora read replicas, MySQL / PostgreSQL parallel operation, RDS Proxy (bursts of thousands of connections), Redis 5 → Valkey 7 upgrade (cost + EOL, some legacy systems retained); led Airflow 1.x → 2.0 upgrade (UAT + Production, many DAGs)
- Sole owner of GitLab → Gitea migration (hundreds of repos, the whole engineering org, < 2h off-peak cutover); built serverless Lambda Terraform modules and Jenkins automation; developed Geo-block deployment in Go
- Used SQS to handle high-volume telco partner orders
- Integrated AWS Elemental streaming (DRM, Global Accelerator, SPEKE, IVS); migrated Akamai LDS → DataStream 2 via laC
- Multi-cloud governance: GCP permission hardening, Secrets Manager cleanup, WAF / CVE audits; audited and removed idle EC2 snapshots

Senior SRE Engineer • TrendMicro

2021.09 – 2024.03

- Owned cross-service incident response; ran regular DR drills / resilience tests (every six months to quarterly, 5–6+ over tenure) and maintenance windows
- Built end-to-end (E2E) monitoring and a Service Readiness Review process
- Drove Opsworks → ASG / SSM migration; audited and decommissioned idle resources

Senior DevOps Engineer • GoFreight

2020.10 – 2021.09

- Built EKS for high availability and rolling upgrades; replaced dev / stage environments with containers
- Introduced centralised ELK logging; added autoscaling Jenkins workers for peak load

- Cut cost with EC2 RIs / right-sizing; upgraded MySQL 5.6 → 8.0 and the DMS engine

Senior DevOps Engineer • CATCHPLAY

2019.02 – 2020.10

- Built a one-click CI/CD pipeline for multi-environment deployment
- Set up load-test environments (Locust / JMeter) to locate performance bottlenecks
- Replaced cron jobs with Airflow scheduling; refactored part of the ETL automation
- Centralised log management with ELK + Curator; tuned Logstash parsing rules

Senior Java / DevOps Engineer • Groundhog Tech

2017.11 – 2019.02

- Deployed DSP / DMP container images to customer Linux environments with Ansible
- Introduced Kubernetes and GitLab CI/CD; hardened system performance and security

Early Career

2012 – 2017

- **Bank SinoPac • Senior Java Web Engineer** (2015 – 2017): investment-workflow system and RESTful web services from scratch (Java backend)
- **Gping / Gobooks • System Engineer** (2012 – 2015): firewall & network topology (routing / VLAN / NAT), Acronis backup, VMware vSphere HA + P2V, Windows AD / Exchange, WSUS

SELECTED PROJECTS

[film-brain](#) • [resume](#) • [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)