

Senior DevOps/Security Engineer (OSCP)

Lance Lai

Singapore

+65 8800 3268

lance.lai@outlook.com

github.com/lance-web3

linkedin.com/in/lancelai

Results-driven DevOps/SecOps engineer with 7+ years across system engineering, blue team security, and DevOps, including 3 years in blockchain/crypto infrastructure. Builds reliable, observable, and secure platforms with expertise in CI/CD, containerization, edge routing, monitoring/alerting, and cloud networking on Alibaba Cloud. Comfortable owning infra end-to-end, from IaC to incident response, with strong security and automation background.

Core Skills

- **Cloud & Infra:** Alibaba Cloud (ECS, VPC, EIP), Linux (Ubuntu), Nginx, DNS, systemd
- **Containers:** Docker (build, hardening), K3s/MicroK8s (exploring)
- **CI/CD & IaC:** Jenkins, GitHub Actions, Git
- **Observability:** Prometheus, Grafana, Alertmanager, Blackbox Exporter, Promtail/Loki
- **Security:** OSCP, hardening/patching, least privilege, secrets hygiene, incident response
- **Data/Backends:** MongoDB Atlas, Redis, Node.js (TypeScript), Python, Bash
- **Web3/Distributed:** Validator, IPFS & IPFS Cluster, The Graph (subgraphs), LayerZero OFT/Axelar, multisig infra

Experience

Security/DevOps Engineer *Pundi X*

06/2022 - Present (3y 3m)

Crypto AI

Responsibilities

- Own production/staging/test infra spanning 18+ servers, 40 Docker containers, and 30+ CI/CD pipelines (Jenkins & GitHub). Standardized build/test/deploy with Git-SCM polling, remote SSH deploys, and service restarts via systemd.
- Standardized build/test/deploy with Jenkins & GitHub; remote SSH deploys, systemd restarts.
- Built observability stack (Prometheus, Grafana, Alertmanager & Telegram, Blackbox exporter, Promtail).
- Migrated gateways to IPFS & deployed IPFS Cluster (2 nodes + Nginx edge) for redundancy.
- Supported multisig wallet UI, validators, bridging jobs, and subgraph deploys on cosmos networks.
- Provisioned infra on Alibaba Cloud (multi-region VPCs) and adopted Kubernetes K3s.

Tech Stack Alicloud, Docker, Jenkins, Linux, Systemd, Nginx, Python, Prometheus, Grafana, Alertmanager, Promtail, Jumpserver, Github actions, IPFS.

Security Engineer *LGA Telecom*

05/2020 - 06/2022 (1y 4m)

Telecom MSSP

Responsibilities

- Monitored security events via SIEM, prioritized alerts, and remediated incidents.
- Configured and managed SIEM, NGAV/EDR, NGFW, Sandbox, Cloud WAF, UEBA.
- Automated IOC blocking using Jenkins + FortiGate Security Fabric.
- Performed VA with Nessus & BurpSuite; delivered monthly security reviews to clients.

Tech Stack SIEM, Firewall, WAF, NGAV, Nessus, Burpsuite, Investigation, Presentation.

System Engineer *Asia Ezypay*

01/2020 - 07/2020 (7m)

Blockchain 01/2020 – 07/2020 (Sys Eng) • 03/2019 – 01/2020 (IT Support)

Responsibilities

- Automated VM snapshots, backups, and MySQL ops with Python/Bash.
- Built high-availability clusters (Nginx, Keepalived, LVS, Tomcat, MySQL + DRBD).
- Centralized monitoring with Zabbix & ELK; implemented Dockerized jumpserver.
- Supported blockchain application infra, internal IT, and network troubleshooting.

Tech Stack Linux, Nginx, MySQL, MyCat, DRBD, Zabbix, Docker, Tomcat, Batch Script, ELK, Jumpserver, Python

IT Analyst *Four Media Pte Ltd*

11/2017 - 03/2019 (1y 5m)

Media

Responsibilities

- Managed domains, servers, and WordPress/CMS platforms.
- Delivered early web application projects (HR system, school management portal).

Tech Stack Coordination, Linux, Domain management, Kiosk platforms, QA, School management portal, Prototyping, Wordpress.

Projects

- Data Marketplace Backend (PundiAI): Node.js (TS) microservices on Docker; MongoDB Atlas; Redis; CI via Jenkins; environment specific configs for prod/staging/test.
- Twitter Automation Bots: Tweepy v2 + n8n + Google Sheets; custom Python modules (state management, rate gate, dedupe); auto retweet/quote/comment workflows.
- Cross Chain/Bridging Monitoring: Python tooling to track token balances/liquidity across chains (e.g., ensure USDT sums match FXCore holdings); scheduled alerts/dashboards.
- IPFS Gateway & Cluster: Containerized IPFS nodes, content pinning policy, and Nginx edge with health checks and caching directives; migrated company website to IPFS.

Languages

English: Professional
Mandarin: Professional
Malay: Intermediate

Education

Certificate *Offensive Security Certified Professional (Offensive Security)*

12/2021

Certificate *Certified Ethical Hacker Practical (EC-Council)*

02/2020

Certificate *Network Security Expert Level 5: Certified Analyst (FortiSIEM) (Fortinet)*

03/2021

Certificate *Network Security Expert Level 3: Certified Associate (Fortinet)*

03/2021

Certificate *VMware Carbon Black Partner: Advanced (Carbon Black)*

03/2021

Certificate *Python3 (Sololearn)*

11/2020

Bachelor of Science in Ethical Hacking and Cybersecurity *Coventry University*

2020

Diploma in Information Technology *Management Development Institute of Singapore*

2016