

LUAN NGO MINH

Senior Site Reliability Engineer

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SUMMARY

- 4+ years experience in DevOps and SRE
- Experience in build and maintain large and highload system
- Strong in Golang, CI/CD, Linux, AWS, GCP, Container, Kubernetes, Big Data

TECHNICAL SKILLS

- **Languages:** Golang, Rust
- **Source control system:** Git
- **Database:** Postgres, Redis, Cassandra, Scylla
- **Automation/Build tools:** Docker/Containerd, Kaniko, Jenkins, GitlabCI, Github Action, DroneCI, Ansible, Terraform, Cloud Formation
- **Cloud:** Amazon Web Service, Google Cloud Platform
- **Platforms:** Linux and Unix
- **Monitoring:** Prometheus stack, Victoria Metrics, Grafana
- **Logging:** EFK stack, Splunk
- **Secret management:** Vault
- **Service discovery:** Consul
- **Message queue and streaming:** Kafka, NATS, RabbitMQ
- **Container orchestration:** Kubernetes, GitOps, Kustomize, Helm
- **GitOps:** FluxCD
- **Proxy and Service Mesh:** Nginx, HA proxy, Kong, Traefik, Istio

EDUCATION

2015 - 2019 Computer Systems Networking
and Telecommunications -
Ho Chi Minh University of Science

WORKING EXPERIENCE

Aug 2021 - Present Senior Site Reliability Engineer
[Chotot](#)

- Working with infrastructure of Chotot, Mudah and Carousell

- Build chat platform for Chotot, Mudah and Carousell
- Develop auto generate versioning tool for CI/CD flow
- Develop developer portal, it support developer deploy and monitor their service on Kubernetes
- Build secret management system for Chotot and Mudah, combine it with CI/CD flow
- Develop escalation alert tool, support assign owner with multiple level for each service
- Build new CI/CD flow for Chotot and Mudah which work with four points above
- Consultant for security audit team apply zero trust solution for Chotot and Carousell
- Consultant and work with data team build data processing pipeline, support for user facing application
- Consultant and support software team examine and choosing technical stack for new services
- Work with Mudah SRE apply GitOps for Ansible, application configuration, Terraform
- Work with Mudah SRE build new monitoring solution for Chotot and Mudah
- Work on cloud migration project, migrate about 200 services running on Viet Nam datacenter to GCP
- Design system on GCP with host project and service project, make sure all resource on GCP managed by source control
- Build incident management and involved in on-call process
- Consultant technical solution for Engineer Manager and Head of Tech
- Recruit and training new members

Aug 2020 - Aug 2021 DevOps Engineer

[Vexere](#)

- Responsibility for product reliability
- Build and maintain monitoring system, it support query data within 2 years
- Build and maintain logging system, store logs in 1 years for audit and debug
- Automation provision GCP resource with Terraform (GKE, RDS, Load Balancer, Scheduler,...), CI/CD for Terraform code
- Apply infrastructure as code for Cloudflare config
- Automation configuration server with Ansible, make sure all component in the system have to have automation
- Optimize CI/CD flow and build an CI/CD framework
- Develop some tool for optimize cost for testing and uat environment
- Build an secret management system and define a flow to apply to running services
- Consultant for Data Team, build data processing and BI system
- Propose API Gateway solution, presents with technical architect team, protect solution and apply this solution for production environment

- Propose GitOps solution, presents with technical architect and apply this solution for production environment

Jul 2019 - Aug 2020

Associate System Engineer

[VNG](#)

- Deploy and maintain bare metal Kubernetes 16 nodes about 500 cpus and 1 TB memory with more than 700 pods
- Deploy and maintain Prometheus with Consul as service discovery
- Design Grafana dashboard, write PromQL to query and visualize for all service
- Deploy and maintain ELK cluster with monthly data input more than 200 GB
- Observe, weekly review monitoring metrics whole server
- Observe, audit log in system, detect unusual events
- Deploy and maintain databases as a service: Postgres, MySQL, Redis,...
- Build and optimize docker images for software in platform
- Deploy and maintain: Airflow, Zeppelin, Jupyter, Metabase, Presto, Kafka,...
- Maintain Ceph cluster
- Deploy application on Kubernetes with GitOps
- Develop new data processing solutions for data teams such as Spark streaming consume from Kafka. Use Delta lake and S3 to replace Hadoop.
- Working with data team makes sure data comes to Hadoop enough and in time
- Work with product team determine SLI and define SLO, commit SLA for services in whole system: blackbox monitor, SLA chart, alert
- Alert when metrics reach to some condition

Jan 2019 - Jun 2019

Cloud Engineer

[FPT Information System](#)

- Deploy and maintain bare metal Kubernetes
- Construct CI/CD system for application, apply canary and blue green deployment
- Deploy and maintain Gitlab, MySQL, Proxy
- Design and implement monitor as a service system
- Monitor infrash structure with Prometheus, Grafana
- Write IaaS for AWS resource, deploy and maintain AWS resource
- Develop ticket management system

Jul 2018 - Dec 2018

Devops Engineer

[Dwarves Foundation](#)

- Responsible for construct CI/CD system
- Deploy and monitor application system
- Develop backend for product
- Deploy and maintain resources on GCP (RDS, GKE,...)