

Linh Nguyen

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Highlights

- Linux System Administration
- AWS Cloud Computing
- In-depth understanding of Hadoop cluster
- Experience in monitoring, logging, alerting system
- Proficient on configuration management and automation (ansible), Infra as Code (terragrunt, terraform)

Work Experience

- **CIC Data Mining and Analytics Joint Stock Company (CICDATA)** **Ha Noi, VN**
Mar 2018 - Present
 - *General & Process*
 - Cover A-Z from building up 3 Hadoop big data clusters in Viettel, Mobifone and Vinaphone to process huge of data.
 - Build infra from scratch to microservices, monitor and scale.
 - Taking a strong sense of ownership and responsibility to identifying the root cause for resolving issues.
 - *Big Data Infra*
 - Planning and deploying High Available, scalable Hadoop cluster.
 - Deep operating HDFS/YARN internals, HDFS replication, HA failover, horizontal scaling.
 - Fine tuning the Operating System, JVM, Namenode, DataNode to ensure best performance for cluster.
 - Building a environment for Machine Learning team to develop, analyze and deliver on production.
 - *Backend Infra*
 - Designing modular, pluggable & standardized infra on AWS by using Terraform, Ansible with bottom-up approach: network, environment, services, tools.
 - Dockerize web API, Golang API, build Dockerfile, docker-compose for testing, delivering.
 - Handle microservices based on Go, MySQL, Cassandra, ClickHouse, Redis, Etcd, Kafka by using Nomad and Consul on bare metal and Amazon Web Services.
 - Building monitoring/logging system: Prometheus, InfluxDB, Loki, Grafana. Streaming logs from operating system, application to Loki & ELK.
 - Handle performance botte-neck: Networking, MySQL index & schema, tuning MySQL configuration.
 - Deep understanding in MySQL replication, slave lag, binlog and slow query logs.
 - Proposing HA & scalable Nginx reverse proxy by using Consul service discovery.
- **Freelancer** **Ha Noi, VN**
Apr 2017 - Feb 2018
 - *General & Process*
 - Migrate legacy application into Docker and Docker-compose.
 - Migrate massive old MongoDB database to MariaDB Cluster.
 - Implementing configuration management using Ansible. Setting up high availability for important services.
- **Viettel Global (VTG).** **Ha Noi, VN**
Apr 2016 - Apr 2017
 - *General & Process*
 - Involved in operating of data processing about 500GB per day.
 - Take care of monitoring, scheduling job process.
 - Developed insightful business conclusions and generate data and reporting solutions to optimize and address business needs.

Education

- **Ha Noi University of Science and Technology**
Engineer in Mechatronic,
- **Ha Noi University of Science and Technology**
B.S in Information Technology,

Ha Noi, VN
Graduation: June 2017

Ha Noi, VN
Oct 2015 - Apr 2018 (Not degree yet)