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 managerment and automation (ansible), Infra as Code (terragrunt, terraform**

Work Experience

CIC Data Mining and Analytics Joint Stock Company (CICDATA) **Ha Noi, VN**
General & Process *Mar 2018 - Present*
- 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 microservies 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**
General & Process *Apr 2017 - Feb 2018*
- Migrate legacy application into Docker and Docker-compose.
- Migrate massive old MongoDB database to MariaDB Cluster.
- Implementing configuration management using Ansible. Seting up high availability for important services.

Viettel Global (VTG). **Ha Noi, VN**
General & Process *Apr 2016 - Apr 2017*
- 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, VN
  Graduation: June 2017

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

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