

PERSONAL DETAILS

- Full name **Pham Ngoc An**
- Gender **Male**
- Citizenship **Vietnamese**
- Country of Residence **Vietnam**

PROFESSIONAL SUMMARY

- Knowledge about Cloud infrastructure: Azure, AWS
- Knowledge of Docker
- Basic knowledge of Database SQL
- Have the ability to analyze, learn and handle problems

EDUCATION

Academy of Cryptography techniques – Major: Information security (2015 – 2020)

SKILLS

- **Programming Languages:** Bash, Python
- **DevOps:** GitCI/CD, Jenkins| Gitlab CI, GitHub| GitLab
- **Infrastructure:** Ansible, Kubernetes, Docker
- **Cloud:** AWS, Azure

PROFESSIONAL EXPERIENCE

Sphinx JSC

March 2021 to present.

Role: DevSecOps Engineer

Responsibilities:

On-premise system

- Implementing infrastructure as code, using Ansible.
- Deploy Wazuh and security system for PCI DSS Requirements.
- Convert the entire monitoring system using TIG to the Prometheus and Victorimetrics stack.
- Building zero trust model using Teleport.
- Supported development teams by building, maintaining, and scaling infrastructure to support applications that are used by millions of users.

Cloud system.

- Implemented CI/CD using Gitlab-ci and Jenkins tool
- Migrate app to Kubernetes using EKS for Mykiot and Booking project.
- Managed 100% of existing AWS Cloud environments, automation, monitoring metrics, disaster recovery/backups, and capacity planning

Luxstay Viet Nam

March 2020 to March 2021

Role: DevOps Engineer

Responsibilities:

- Deploy, build CI/CD process for dev using Gitlab-ci
- Training to operate CI/CD, Kubernetes for dev.
- Converting systems from native systems to using Kubernetes.
- Operating system on Gcloud: compute, bucket, proxy,...
- Build system on AWS and convert service from Gcloud to AWS.
- Optimize Dockerfile for projects using multi stage build.
- Optimize the configuration parameters of Php-fpm, Nginx according to best practices.
- Build process and system CI/CD using Gitlab-ci for Freamework Molecular, Laravel, Php.
- Build monitoring and alert systems with Prometheus and Victorimetrics.

Research and development

- Research on system performance optimization tools: perf, bpftrace - Research tools for Kubernetes such as HPA, kustomize, service mesh istio solution, solo.

Five9 Vietnam Corporation

February 2019 to March 2020

Role: DevOps Engineer

Responsibilities:

Deploying and operating service systems:

- Deploying IBM Cloud Private system for production infrastructure.
- Building Object storage and Block Storage systems using Ceph.
- Convert kubernetes system from IBM Cloud Private to Rancher2.x.
- Build CI / CD system, and Devops process using Gitlab-ci for projects on php, Java, AngularJS, nodejs.
- Integrating Sonaqube, Sentry, hashicorp-vault for CI / CD system.
- Building Logs system using ELK stack, Monitor using Prometheus, Grafana, integrating Wazuh safety monitoring system into logs system.
- Build the Mem Service: Redis Sentinel, Rabbitmq Cluster.
- Building automation system using Ansible and AWX for telecommunication partners.
- Automate deployment with Ansible installation and configuration management for system services such as ELK, Nginx, Rabbitmq, Redis, Mysql-replication.

Research and development ferry

- Openstack Research.
- Researching API Gateway solutions: Kong, Tyk, Ambassador.
- Researching the single sign on solution: Keycloak.

Appota Corporation

February 2019 to March 2020

Role: System administrator

Responsibilities:

Build and maintain service systems:

- Deploy a new load balancing system using Nginx, Haproxy and Keepalived.
- Maintain and optimize the database system using Mysql and MongoDB to serve websites.
- Deploying CI-CD system for PHP projects, NodeJS uses Gitlab-CI for physical environment and containers using docker and kubernetes.
- Using Ansible to manage and install new services for Openstack, Mysql, MongoDB, Nginx,...
- Maintain and deploy the monitor system of Zabbix, Prometheus, Nagios.

Build infrastructure systems:

- Administered VMware vSphere environment
- Research and build private cloud and public cloud systems using Openstack.

Research and development ferry

- Researching docker, Kubernetes, converted rancher 1.6 system to Kubernetes, CI / CD implementation tools, Openstack.

PERSONAL PROJECT

2020-2021: Wifocoin

- Deploy services on AWS cloud infrastructure with services: Opswork, s3, ec2
- Using Chef automation for Radius, VPN server
- Develop unlang for freeradius service.

2021-now: Sumologic

- Contribute monitoring dashboard overview and detail, alerts, docs for Sumologic's app catalog.