

# Nguyen Huu Tan

Ho Chi Minh, Vietnam

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## EDUCATION

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### Cao Thang Technical colleges

Electronic engineer communications technology

### Athena Education

Cisco Certified Network Administration - CCNA

Linux Network Administration Certificate - LPI

### Nhat Nghe Education

VMware vSphere: Install, Configure, Manage [V5.5]

Certificate Ethical Hacker

Linux Advance

### PyFML

Python programming

## WORK EXPERIENCE

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### Minh Phuc Co., Ltd (MP Telecom)

July 2014 - 2016

#### System Admin

- Deployment, configuration, management L2/L3 network, firewall
- Research design and deploy, scale open source Voip: opensips, asterisk, rtpmproxy, rtpengine
- Design network, deploy and configuration HA of Cisco network.
- Deployment, configuration and management of VMware vSphere 5.5 private cloud.
- Working mixed physical/virtual environment.
- Deployment, configuration, management storage: Glusterfs.
- Working with system monitor: Cacti, graphite, nagios.
- A working understanding of code and scripts(Python)
- Deploy, configuration cluster system HA, loadbalancing: tomcat, apache, mysql, nginx
- Proactive research open source solutions.
- Proposed solutions to the manager.
- Works well in group activities or independently.

### vHost

Aug 2016 - Apr 2017

#### Cloud Engineer

- Linux system administrator: CentOS, Ubuntu
- Administration over than 50 server mixed physical/virtualization.
- Hardware Datacenter: Server, Disk, Switch, Router.
- Network L2/L3: Vlan, Trunking, Switching, Routing, BGP, IPv4/IPv6, Networkopensource: bridge, ovs. sdn
- Experience working with open source cloud computing platforms: OnApp Cloud platform (KVM), Virtualizor(KVM. OPENVZ), Virtuozzo Cloud Platform. Virtual Private Cloud, Vmware, Hyper-V, Storage, Virtualnetwork.
- Mitigation DDOS , Protection (system, network)
- Storage: StorPool comercial, Storage Space Direct, LVM, NFS, GlusterFs
- Monitoring tools: Intergrated collectd, Graphite, Grafana, ELK logging and monitoring, Zabbix
- Scripting: Python, bash shell.
- Automation CM Tool: Ansible.

### Sutrix Solution

May 2017 - Sep 2017

#### DevOps

- Linux system administrator: CentOS, Ubuntu
- Docker container management platform: RancherOS.
- Web application: Jboss Webserver, Apache Tomcat, Apache Proxy, Nginx, IIS

- Environments deploy system programming : .Net, C++, Java, Nodejs
- Web platform CMS: Sitecore, OpenCMS, Wordpress
- Database: Mysql, MSSQL, MongoDB.

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**FPT Software**

Jan 2018 - Jun 2018

**DevOps**

- Linux system administrator: CentOS, Ubuntu
- Cloud platform: AWS, Openstack.
- Infrastructure as code AWS with Terraform, Openstack Terraform.
- Build images templates with Packer.
- Scripting: bash script, python.
- Configuration management tools: Ansible.

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**VNG-ZaloPay**

Jul 2018 - Jul 2020

**Site Reliability Engineer**

- Owner and maintain 100+ services deployment on baremetal, and k8s orchestration.
- Working cross multi domain pattern team.
- Re-architecting system infrastructure and build DevOps processes
- Build k8s full stack: K8s cluster, Observability and Analysis, Service proxy, CI/CD, Servicemesh.
- Init k8s cluster with rke on bare metal.
- Observability: with K8s using prometheus operator, grafana, prometheus TSDB for metric infrastructure and metric application, analytics grafana tools, prometheus alert manager, splunk logging, alert notification webhook channels, tracing using Jaeger.
- Service proxy: Nginx, Traefik, Haproxy.
- Service mesh K8s using Istio.
- CI/CD: GitOps, Docker multi stage, Declarative pipeline script, write helm common template for all service use k8s, graceful shutdown application, CD with spinnaker.
- Working knowledge of both scripting languages (Bash) and high level programming languages (Python)
- Configuration management tools: Ansible.
- Streaming & Messaging: Kafka cluster, Activemq.
- Database: MariaDB, MySQL, Cassandra, Scylla, Redis cluster persistency, DynomiteDB.- Integrate Key/Value DB consul exist cluster kubernetes: using for dynamic configuration biz and operator.
- Caching: Redis cluster.
- Working with many different development teams: Java, Golang, React...
- Contribute ideas about system architecture at scale
- Design and operate the build & release, configuration management, code deployments to multiple environments
- Understand distributed system, CAP theory.
- Understanding of web services, web application development, Restful, GRPC, HTTP/HTTP2 protocol
- Experience conducting systematic troubleshooting of issues.
- Proactively research CNCF stack and learn new technologies.

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**One Mount Group**

Oct 2020 - Now

**Senior Site Reliability Engineer**

- Lead squad team Istio mesh organization.
- Design deployment models Istio mesh, build automated processes and tools for managing Istio mesh, integrating services into Istio mesh.
- Experience with Google Cloud Platform (GCP)
- Familiar with Kubernetes arch and component, have good experience in large-scale cluster operation and maintenance
- Experience with Docker runtime, Linux kernel
- Devops tool: gitlab-ci, helm, terraform, monitoring tools.
- Working with many different development teams: Java, Golang, React...
- Support dev on the deployment with CI/CD
- Contribute ideas about system architecture at scale
- Team working, analytical mind, be optimistic, willing to accept challenges and quick response against incidents.
- Explore new technology trends, continuously improve current workflows for a more flexible, stable and scalable system.