

## Contact

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## Top Skills

Terraform  
GitOps  
Apache

## Languages

English

## Certifications

MCSA, MCSE, Linux LPI

# Nguyen Trong Hien

Lead System/Devops Administrator at VNG  
Vietnam

## Experience

### VNG Corporation

11 years

#### Lead System/Devops Engineer

June 2020 - Present (4 years 10 months)

Ho Chi Minh City, Vietnam

- Build k8s on premis for IOT/IT/HR/NFT system with high ccu
- Build CI/CD with gitlab runner / ArgoCD / Jenkins , intergrate with sonarqube to scan code
- Setup anycast dns system
- Build and maintaince gitlab onpremis (on k8s), version can be upgraded quickly
- ISO 27K1 for HR/IT system
- Building , developing and maintaining product of VNG in AWS: EKS auto scale with karpenter and cluster autoscaler, ECR, S3 + Cloudfront, Loadbalancer (ALB), SES, Memory db, Amazon message queue
- Building , developing and maintaining Veka (vcloudcam) infras with k8s onpremis
- Building , developing and maintaining VNG AI product and other product infras with k8s on VNG Cloud: vcontainer (vks), S3, VLb, k8s with GPU
- Lead and build team with 4 members
- RD for new technology

#### Senior System/Devops Engineer, Team Leader

April 2017 - June 2020 (3 years 3 months)

Ho Chi Minh City, Ho Chi Minh City, Vietnam

- Setup and maintaince ESXI system provide VM for IT network / system
- Migrate from google workspace to office 365: work with microsoft team, build azure sync (sync employee)
- Setup Zero trust proxy for VNG corp apps with azure application proxy
- Setup and maitaince NAS system for corp: truenas / freenas (~200TB) authen with azure
- Migrate all IT/HR system to docker
- Design, implementation and maintenance of PostgreSQL: PostgreSQL HA with Patroni

- Design, implementation and maintenance of mysql: Multi master, Group Replication
- Troubleshoot and monitor database performance and optimize queries for efficiency
- Maintainance SCCM / printer system
- Setup ILO, terminal, azure remote proxy for WFH
- Setup DNS system for VNG corp with dnsmasq + powerdns
- Build cloudstack provide VM for IT system
- Lead team with 2 members

### Senior System Engineer

April 2015 - April 2017 (2 years 1 month)

Ho Chi Minh City, Ho Chi Minh City, Vietnam

- Build and maintainance mail relay / ldap for corp product
- Setup and maintainance google workspace: setup google sync (sync employee from hr system)
- Setup live streaming system serve VNG connect event (~2000 viewer): rtmp , nginx, php
- Build and maintainance vng corp site with docker
- Build and setup clientless remote desktop gateway system for vng corp: guacamole

### System Administrator

April 2014 - April 2015 (1 year 1 month)

- Build and deploy HR system: odoo stack
- Build CI/CD for deployment and automation task with jenkins

### YeuTheThao.com

#### System Administrator

August 2012 - January 2014 (1 year 6 months)

Ho Chi Minh City, Vietnam

- Build website with nginx, apache and mysql cluster with high CCU (1000)
- Maintainance mail / AD onpremis for 100 employee
- RD for ddos protection with iptables, nginx module, fail2ban

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## Education

### Sai Gon University

Bachelor's degree, Systems Engineering · (2008 - 2012)