

## Contact

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(LinkedIn)  
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## Top Skills

Linux  
Docker  
Kubernetes

## Languages

Vietnamese (Native or Bilingual)  
English (Full Professional)

## Certifications

IELTS (International English  
Language Testing System)  
Google Cloud Certified Professional  
Cloud Architect  
Certified Kubernetes Administrator  
(CKA)

# Tommy Nguyen

Kubernetes & Cloud Professional  
Singapore

## Summary

Being a cloud-focused engineer helps me work closely with development teams and keep in touch with daily operation tasks at the same time. System architecture & continuous deployment are some of my favorite topics. For over 5+ years, I've worked with a handful of infrastructures including bare metal, cloud computing, micro-services,... . By experiencing those systems, I've earned appropriate skills & expertise to deal with a variety of demands from customer. In addition, being familiar with latest technology & toolset is by far my strongest point due to consistent involvement on the recent projects. And last but definitely not least, I am considered as a diligent, fast-learning, right on time person.

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## Experience

### Vungle

Senior Site Reliability Engineer  
September 2019 - Present (1 year 3 months)  
Singapore

### 90 Seconds

Senior DevOps Engineer  
January 2019 - September 2019 (9 months)  
Singapore

- Optimise & refactor CI/CD pipeline, add automated steps required by specific workloads
- Utilise Google Cloud Platform services to handle sophisticated business requirements
- Embrace infrastructure-as-code philosophy, use Terraform & Ansible to spin up team resources
- Work closely with Data team, collaborate on Data pipeline & workflow
- Make use of GKE (Google Kubernetes Engine) for many kind of workload

honestbee  
DevOps Engineer

July 2017 - January 2019 (1 year 7 months)

Singapore

- Maintained & Operated a system which serve 500k+ customers across 6 countries.
- Successfully migrated backend application from a legacy platform to Kubernetes.
- Was being an active contributor for Cloud Native Computing Foundation (CNCF)
- Certified Kubernetes Administrator (CKA) & Certified Kubernetes Application Developer (CKAD)
- Implemented centralized secret management for kubernetes clusters using vault.
- Integrated OpenID access management with kubernetes, which allow developers using cooperated account to gain access to cluster.
- Developed a framework based on kops to allow cluster creation with just a few steps.
- Wrote several tools for internal usage & cluster management.

ClickMedix

DevOps Lead

July 2016 - June 2017 (1 year)

- Be responsible for an E-healthcare system which serve 100+ hospital across the world.
- Migrated from a manual deployment workflow to fully-automated CI/CD pipeline using Jenkins.
- Optimized resource usage, thus greatly reduce operation cost.

Cogini

System Manager

February 2016 - July 2016 (6 months)

Ho Chi Minh City

- Mainly focused on cloud computing (Amazon web services, Google cloud platform).
- Supported multiple outsourcing projects.
- Planned and implement automatic deployment service, apply to production systems
- Got familiar with CI/CD process.
- Ensured services comply to predefined SLA.
- Monitored system metrics & stats 24/7.
- Make sure customer's servers comply to all security rules & polices.

## Haravan

### Senior System & Network Engineer

July 2014 - February 2016 (1 year 8 months)

Ho Chi Minh City

- Deployed System, Network Infrastructure for a newly-formed startup.
- Utilized open source softwares (MongoDB, ElasticSearch, Nginx, Ansible...)
- Setup tools to monitor & handle attack from outside (DDOS, Flood, Injection...)
- Implemented 2-step authentication on Windows, Unix, Web.
- Integrate LDAP with internal services.
- Migrate part of the current running system to Azure for saving cost.
- Get familiar with AWS services.
- Monitoring infrastructure with various tools, including: PRTG, Statsd & Graphite, Splunk, own-developed tools...
- Spent a lot of time with Haproxy, Dnsmasq, Dns-unblocking technique.
- Wrote several admin tools using Node.js, shellsript...
- Began to focus more on microservices (Docker, CoreOS...), steadily "dockerize" services and deploy them to production.

## Công Ty Cổ Phần Giải Trí Di Động (ME Corp)

### System & Network Engineer

April 2013 - July 2014 (1 year 4 months)

Ho Chi Minh City

- Rebuilt appstore system.
- Scan security for newly-deployed services.
- Built download system, which serve 1000+ concurrent connection.
- Wrote several scripts for automation.
- Setup & configured access point, modem, router, switch...
- Deployed "Wifi advertising platform" which covered 100+ coffee shops.
- Implemented open source log system (up to millions record per day) using ELK stack.
- Configured HA & load balancing environment (MySQL master – slave, HA Proxy, LVS)
- Setup CSM (centralized server management) which handle daily basis tasks with a friendly UI.

## FPT Telecom

### System Specialist

January 2011 - March 2013 (2 years 3 months)

Ho Chi Minh City

- Deployed Citrix XenApp and XenDesktop for 30+ users.
- Configured web server using lighttpd with PHP fastcgi and squid caching system for websites, forums
- Deployed & Operated several online games, work a lot with PXE, cygwin in these projects.
- Built email marketing system which supported sending ~200k emails / day.
- Setup email servers for sendo.vn (e-commerce website) and senpay.vn (online payment).
- Maintained & updated FPT Online dns system.
- Deployed centralized source code management (SVN) used by company-wide.
- Be part of the "Content Delivery Network" taskforce, which deploy CDN system for <https://e.vnexpress.net>, a top news websites in Vietnam.
- Built custom linux kernel to run OS entirely on RAM.
- Write a lot of shell script to control & maintain servers.
- Built ticket tracking system using OTRS software.
- Centralized log management with graylog2, logstash and elasticsearch.

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## Education

University of Science Ho Chi Minh City

Bachelor's Degree, Electrical, Electronic and Communications Engineering  
Technology/Technician · (2006 - 2011)