Kien **Nguyen Tuan**

Personal Information

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Work experiences

Viettel Network
CLOUD ENGINEER

Hanoi, Vietnam
03/2019 - Present

- Maintain & extend Viettel Network OpenStack production cluster for digital transformation. This is one of the biggest OpenStack cluster in Vietnam.
- Manage a team of observable engineers (team size - 5).
- Implement & maintain a comprehensive monitoring Prometheus based solution to improve reliability & performance.
- Develop & integrate the new monitoring stack using Prometheus with Viettel legacy operation software, ensuring that all company policies & procedures are followed.
- Diagnose, investigate & resolve the incidents; analyze metrics, logging & interface with other teams to identify root cause analysis.
- Design, develop & maintain Faythe tool (`https://github.com/vCloud-DFTBA/faythe`) for OpenStack Autoscaling & Self-healing.
- Collaborate with peers on the development of new Monitoring automation tool (`https://github.com/ntk148v/ansitheus`).

Viettel Network
SOFTWARE ENGINEER

Hanoi, Vietnam
03/2018 - 03/2019

- Become a part of team who laid the foundation for Cloud Computing at Viettel Network.
- Apply OpenStack Autoscaling strategy using Heat & Telemetry to Viettel internal projects.
- Work on the Observable tools: Prometheus, Elasticsearch ecosystem.
- Upstream OpenStack & Prometheus contributor.
- Automate production operations.

Clare.AI
DEVOPS CONSULTANT (REMOTE)

Hanoi, Vietnam
02/2019 - Present

- Consult Clare.AI's CTO about DevOps aspect.
- Containerize & deploy company services.
- Setup jobs in Jenkins according company requirements.
- Design & develop the automation services.
- Work on Amazon Web Services (ECS, ECR, Cloudstack, IAM) to publish the container-based product in Marketplace.

Fujitsu Vietnam
SOFTWARE ENGINEER

Hanoi, Vietnam
06/2017 - 03/2018

- Upstream OpenStack contributor.s
- Join OpenStack community, communicate with other OpenStack's contributors around the world.
- Strongly focus on Container related projects - Zun, Kuryr-libnetwork, Kolla-ansible.
- Apply OpenStack Heat rolling upgrade strategy in CI/CD gates.
- Become OpenStack Zun core reviewer, take responsibilities for many aspects: mentor community contributors; actively reviewing patch submissions; curating the gate and triaging failures.

Vega Corp.
PART TIME DEVELOPER

Hanoi, Vietnam
12/2016 - 04/2017

- Research & Develop (RnD) OpenStack in production environment.
- Develop an OpenStack automation deployment tool (shell scripts).
- Setup Ubuntu & CentOS mirror repositories.
- Virtualization, Physical & OpenStack monitoring with Zabbix.

International Institute for Computational Science and Engineering (ICSE) *Hanoi, Vietnam*
INTERSHIP *2015-2017*

- Learn about Cloud Computing & OpenStack.
- Work with Linux distros: Ubuntu, CentOS & RedHat.
- Deploy OpenStack High Availability with HAProxy & Pacemaker in RedHat servers.
- Investigate about Container & Docker.
- Investigate & participate in Cloud Abstract Layer (CAL) Project tutored by Ph.D Binh Minh Nguyen (HUST) & MSc Hieu Le Quang. Now, CAL is available in Pypi. (`https://pypi.python.org/pypi/calplus/`)
- Investigate & participate in Bio-Informatics Management Interface (BIMI) Project tutored by Ph.D Binh Minh Nguyen (HUST) & MSc Hieu Le Quang.

Honors & Awards

12/2015 **First Place Winner**, 2015 National IT Olympic Contest, Open Source Software Content. *Hanoi, Vietnam*
BKCLOUD Team.
Merrit of Ministry of Science & Technology for First Place Winner

09/2017 **Core Reviewer**, OpenStack Zun (Container Management in OpenStack). *Hanoi, Vietnam*
Actively reviewing patch submissions.
Interfacing with other OpenStack teams.
Curating the gate and triaging failures.

Education

Hanoi University of Science & Technology *Hanoi, Vietnam*
MAJOR: INFORMATION SYSTEM *06/2012 - 06/2017*

- CPA: 3.22/4.0

Technology skills

Programming Languages:	Python (Intermediate), Golang (Intermediate)
Markup Languages:	HTML, CSS (Basic), Markdown (Advanced)
	reStructuredText (Intermediate), LaTeX (Basic)
Version Control:	Git - GitHub, GitLab
Container:	Docker (Intermediate), Kubernetes (Basic)
Observable:	Prometheus ecosystem (Advanced), InfluxData Products (Basic)
	Zabbix (Basic) Elasticsearch ecosystem (Intermediate)
Operating System:	Linux (Advanced)
Cloud computing:	OpenStack (Advanced), Amazon Web Services (Intermediate)
CI/CD	Jenkins
Automation tool	Ansible (Intermediate)

Language

English:	845 TOEIC
	Can read and understand IT references well.
	Can communicate & work with foreign customer.
Vietnamese:	Native

Research interests & Desires

- Can develop personal skills.
- Desire to build an enterprise solution from architecture designing to coding, operation, based on OSS solution such as OpenStack (for infra management), Docker (for platform deployment), Ansible (for automation deploying and CI, CD).
- Work with experienced persons & in enterprise environment.
- Bring knowledge about OSS to production environment.
- Flexible time schedule.