



# Tô Văn Lâm

## CLOUD ARCHITECT, COMPUTER SCIENCE

**Date of birth:** Nov 01, 1995  
**Gender:** Male  
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## SUMMARY

- A competent and highly energetic Cloud engineer, with over 3 years of experience in building and managing large-scale IT infrastructure. Deep understanding of OpenStack, very capable with a proven ability to troubleshoot and ensure the smooth running of ICT systems and to provide IT services that will improve the efficiency and performance of a company.

- Some of the major systems have implemented are Viettel Online Charging System (VOCS), Evolved Packet Core (EPC), IP Multimedia Subsystem (IMS).

- Although not related to the main job, I am also confident about the algorithm ability and have been involved in many projects related to Machine Learning, Natural Language Processing, Image Processing.

## EDUCATION

Oct 2013 - May 2018	<b>Hanoi University of Science and Technology</b> <b>Talent Engineer Program</b> Major: Information and Technology CPA: 3.53/4 Ranking: <b>Top 3%</b>
Oct 2010 - May 2013	<b>Tu Ky High School</b> Major: Math University entrance math examination: 10/10

## SKILLS

<b>Operating system</b>	Linux, Microsoft Windows
<b>Programming language used</b>	C, C++, C#, Java, Python, Android, JavaScript, NodeJs, Ansible
<b>Preferred programming language</b>	Python, JavaScript, Shell Script
<b>Database</b>	SQL, MongoDB, Percona Cluster Db, SQLAlchemy
<b>Framework</b>	NodeJS, Ionic, Tensorflow, Keras, Flask
<b>Cloud Computing</b>	Ansible, Docker, Openstack, Kubernetes, DPDK, SRIOV
<b>Language</b>	Vietnamese, English (TOEIC 720 )
<b>Tool</b>	Paint, Adobe PhotoShop, Unity 3D
<b>Some products</b>	<a href="https://github.com/lamtov?tab=repositories">https://github.com/lamtov?tab=repositories</a>
<b>Certifications</b>	Certificate Red Hat OpenStack Administration III

## WORK EXPERIENCE

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Jun 2018 - Now

### **Viettel High Technology Industries Corporation**

Cloud Architect - In charge of everything related to IT and Cloud.

- Develop and contribute supporting tools, enhance the capacity of systems using Java, Python, Flask, SQLAlchemy, Ansible, Openstack, Kubernetes, Mano, SDN, SRIOV, DPDK ...
- Intramural magazine: Research and improve compute virtualization technology based on QEMU-KVM virtualization platforms (CPU Pinning, HugePage, OVS-DPDK) to apply to deploy virtualization of vOCS 3.0 charging system.
- Setup and deploy Cloud Network Functions Virtualization Infrastructures, do configuration management, performance optimization, monitoring, and system troubleshooting
- Deployed system
  - + VOCS (Viettel Online Charging System)
  - + EPC (Evolved Packet Core)
  - + IMS (IP Multimedia Subsystem)
- Design and develop tools to support automated deployment and monitoring of applications in the NFVI virtualization infrastructure
- Develop tool to support troubleshooting using python Flask, Ansible, Selenium
- Research and develop Kubernetes features to meet requirements in telecommunications (SRIOV, DPDK, ISTIO)

Mar 2019 - Apr 2020

### **JAVIS JaPan**

Part Time Computer Science

- VR Stadium: Make 3D model move follow bone structure detect from 2D recorded video.
- Fashion AI: Find outfits similar to the selected one, evaluate the compatibility of an outfit
- Golf Helper: Assists golfers by measuring the movement angle of the skeletons through the camera

Sep 2017 - May 2018

### **Samsung Vietnam Mobile R&D Center**

Auto Generate Image Description

- Analyze and design modal CNN-RNN for generating image description
- Improved by using LSTM combine with Beam search and RCNN

Nov 2016 - Aug 2017

### **Hoa Sao corporation**

Working with the TelehubCRM system of the corporation by NodeJS

- Analyze and design additional features for TeleHub CRM

July 2016 - Nov 2016

### **TechMaster**

Backend Programming with NodeJS, MongoDB, React

Experienced with MERN (MongoDb, Express, React, Nodejs)

Nov 2015 - Mar 2016

### **Hanoi University of Science and Technology**

Game Chess Java and Game Caro Chess Online Server

Project Ionic Reader help children learn to read

## ACHIEVEMENT

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2019-2020	Award of the top 100 employees who contributed the most in VHT 2019
2019-2020	Emulation Trooper award for the top 3 best employees in the company
2014-2015	University scholarships with GPA 20142: 3.74/4
2013-2014	University scholarships with GPA 20132: 3.54/4
2012-2013	Third place in the provincial math exam

## HOBBIES

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- I like playing chess, I have won 300 matchs in Lichess.org and my max elo is 1800.
- There is another hobby that I really enjoy - joining the online algorithms contest on CodeFight, CodeForces, Hackerrank.
- I have solved 213 hard tasks in codefights ([https://codefights.com/profile/lam\\_van\\_to](https://codefights.com/profile/lam_van_to))

## REFERENCES

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