

TRAN NHU DUC

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Blog: <https://ductn.info>

EDUCATION

Posts and Telecommunications Institute of Technology, Ha Noi

September 2016

- B.S. in Electronics and Telecommunications.
- Research about Wireless Sensor Network.
- Member of a programming club.

VNNET Academy

November 2017

- Cisco CCNA Routing and Switching course.

EXPERIENCE

Viettel Networks Corporation *Cloud Engineer*

July 2020 - February 2021
Microservices Team

- Develop the functioning of discovery-services system.
- Develop the functioning of auditing services database from two systems.
- Change current workloads of an API system on Kubernetes.
- Research solutions to deploy integrated monitoring, logging for K8S (Model EFK: Elasticsearch-Fluentbit-Kibana).
- Develop the functioning of a web application that designed to help manage and document computer networks.
- In common techniques: Kubernetes, Ansible, Docker, Jenkins, Django, Prometheus.

FPT Telecom *Internship*

April 2019 - November 2019
Data Team

- Build tools for data analysis and automation tools for network devices.
- Design and develop an internal Web to manage documents.

TECHNICAL EXPERTISE

Programming Languages:	C/C++, Python, Javascript(NodeJS)
OS:	Linux, Window
Databases:	SQL (MySQL, Postgresql), NoSQL (MongoDB), In memory db (such as Redis)
Container Runtime:	Docker
IT Automation Tools:	Ansible
Infrastructure:	Kubernetes, Monitoring toolchain such as Prometheus, Grafana, Fluent bit
SCM:	Git, Github, Gitlab

PERSONAL PROJECTS

IoT Smart Farm

December 2019

- Plan and design a system for sensor devices. Build a web to manage all of sensor and monitoring logs from databases.
- Technologies used are MongoDB, NodeJS, Express and Angular.
- Github: <https://github.com/ductnn/Smart-Garden-Demo>

Funny API

May 2020

- Develop a funny web for bookstore.
- Technologies used are PostgreSQL, NodeJS and Express.
- Github: <https://github.com/ductnn/postgreSQL-demo>

My blog

January 2020

- Design my blog with Github pages.
- Link: <https://ductn.info>

CERTIFICATE AND PAPER

CCNA Certificate 950/1000.

PAPER - FAIR

October 2020

Researcher

- Researcher of FAIR - Fundamental and Applied Information Technology.
- Paper: Nguyen Thi, Pham Nhu Viet Anh, Tran Nhu Duc, Hoang Trong Minh, "AN EFFICIENT ENERGY-AWARE ROUTING SCHEME FOR MULTI-HOP SENSOR NETWORKS", FAIR, vol.13, no. 10, 2020.

PAPER - REV

December 2020

Researcher

- Researcher of REV - The Radio and Electronics association of Vietnam.
- Paper: Hoang Trong Minh, Tran Nhu Duc, Pham Nhu Viet Anh, Le Hai Trieu, "A new energy efficient clustering scheme in WSNs", REV-ECIT, vol.23, no. 12, 2020.

SKILLS

English Toeic.

Computer Word, PowerPoint, Excel.