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SCAN ME

## HIGHLIGHTS

- Over 12 years of experience in DevOps, systems administration, and network management, ensuring high availability and uptime.
- Proven track record of building and managing Kubernetes clusters from scratch, enabling scalable and reliable deployments.
- Reduced cloud computing costs by 30% through resource optimization and implementing cost-saving strategies.
- Expertise in designing, implementing, and troubleshooting complex computer networks, ensuring secure and efficient connectivity.
- Successfully migrated a large-scale system from AWS to Azure for an AI-focused company, minimizing downtime and ensuring data integrity.
- Implemented CI/CD pipelines using Jenkins and GitLab-CI, automating the software development lifecycle and reducing deployment errors.
- Proficient in programming languages such as Python, Golang, and PHP, leveraging them to develop efficient automation scripts.
- Managed infrastructure and provided technical support for ZaloPay, a leading e-wallet company in Vietnam with over 100 million users.
- Developed and maintained a high-traffic torrent website with 300,000 total users and 75,000 concurrent users, ensuring high availability and security.
- Holds a Cisco Certified Network Associate (CCNA) certification, demonstrating a strong foundation in networking principles.

## TECHNICAL SKILLS

- **Programming Languages:** Golang (1 Year), Python (3 Years), PHP (5 Years), Shell script
- **CI/CD and Automation:** Jenkins, Gitlab-CI, GitOps, Ansible, Terraform, Helm/Helmfile
- **Operating Systems:** Linux (ArchLinux, CentOS/RHEL 7, Ubuntu), Windows, Unix
- **Virtualization and Containerization:** Docker, Kubernetes, Openshift
- **Databases:** MySQL/MariaDB, Oracle Database, Microsoft SQL, MongoDB Atlas, TiDB
- **Cloud and Infrastructure:** AWS (EC2, S3, RDS, EKS, IAM, Security Hub,...), Microsoft Azure (AKS, Postgresql, Alert, WAF, ...)
- **Computer Networking:** Network Design and Troubleshooting, Cisco Certified Network Associate (CCNA), PfSense, OpenVPN
- **Monitoring, Logging, and Reporting:** Grafana, Prometheus, ELK, Exporter
- **Security:** Docker Sec, Prowler, Trivy, Falco, Open Policy Agent (OPA)
- **Version Control:** Git, Subversion
- **Build Tools:** Ant, Maven, Gradle, Go
- **Development Tools:** Visual Studio, IntelliJ IDEA, Sublime Text, Atom

## RELEVANT PROJECT ●

### [PERSONAL PROJECT] DEVOPS ENGINEER (12-2022 – NOW)

#### DevOps

Artificial intelligence-focused companys. Build and migrated system from AWS to Azure.

Responsibilities	Technologies
CI/CD DevOps services Communication as Senior DevOps Build the deployment system Blue team	Azure (AKS, Storage Account, Virtual machine, Postgresql + Mysql single/flexible server) MongoDB Atlas Jenkins, Gitlab-CI Bash-script Helm ArgoCD Docker Sec Llama, GPT-4, LLM

### [PARCEL PERFORM] DEVOPS ENGINEER (7-2022 – 12-2022)

#### DevOps

Parcel Perform is company working in logicstic. Parcel Perform is the leading delivery experience platform. It enables modern e-commerce enterprises to create unique end-to-end customer journeys and optimize logistics operations with powerful data integrations, parcel tracking, delivery notifications and logistics performance reports in real-time.

Responsibilities	Technologies
CI/CD Dev-Ops services Communication as DevOps Build the deployment system Optimize and fix bug Blue team	AWS (RDS, EC2, ASG, EKS, S3, Round53, IAM, AMI, MSK, ElasticCache, Security Hub...) Gitlab-CI / GitOps Bash-script Terraform Helm/Helmfile Spark/Flink Prowler/Trivy/Falco/OPA/Docker Sec

### [HOME CREDIT] DEVOPS ENGINEER FOR HOMEX (7-2021 – 7-2022)

#### DevOps

They are a finance company. HomeX is core system provide documentation service and disbursement service. My responsibilities is keep it safe and stable, contributing the CI/CD and working flow that is survival of Sale, Remote Sale in particular and Home Credit in general.

Responsibilities	Technologies
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CI/CD  
Dev-Ops services  
Communication as DevOps  
Build the deployment system  
Improve CI/CD work flow

Microsoft Azure (Alert, Postgresql, Oracle Database, WAF,...)  
Kubernetes (AKS)  
Python/Golang for Tooling

## [VNG] SITE RELIABILITY ENGINEER & DEVOPS ENGINEER FOR ZALOPAY (6-2020 – 7-2021)

### SRE/SO/DevOps

They are a e-Wallet company. They provide financial technology and payment gateway for many other companies for many years. My role and responsibility are collaborating with developer for deploy infrastructure, application, ... When something wrong happened, I am is the first line they call.

#### Responsibilities

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Setup and maintain infrastructure:

- o Servers
- o Infrastructure services (k8s, tidb...)

Setup CI/CD.  
Troubleshooting/investigate incidents.  
Build the deployment system  
Improve CI/CD work flow

#### Technologies

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Kubernetes

- o Ingress
- o Metallb
- o RBAC
- o ...

TiDB/MySQL  
Memcache/Redis/Kafka  
Ansible  
Jenkins scripted pipeline  
Linux/Windows/Unix  
Shell script  
Python/Golang  
Networking

## [TMA] A HEALTHCARE PROJECT (12-2019 – 06-2020)

### DevOps

They have a huge of data from their clients. They want to use Azure to process them to an expected format for features in the future.

#### Responsibilities

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Setup and maintain Azure pipeline.  
Collect data from sources and process with Data Factory.  
Store data with expected format.

#### Technologies

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Azure  
Python

## [TMA] CI/CD FOR FINANCIAL TECHNOLOGY COMPANY AT THAILAND (03-2019 – 12-2019)

### DevOps

They are a bank. They provide financial technology for many other companies for many years. The DevOps project helped to improve their software development process by apply cloud and automation techniques. They have more than 100 projects still keep running and updating in financial technology.

## Responsibilities

## Technologies

Setup and maintain CI/CD to build and testing the product, includes:

- o Testing environment deployment
- o Functional Tests

Build the deployment system

Maintain and manage automatically many kinds of servers, includes:

- o Linux server
- o IBM Unix
- o Windows

Improve CI/CD work flow

OpenShift / AWS  
Docker  
Jenkins scripted pipeline  
Linux/Windows/Unix  
Shell script  
Python  
Jfrog products  
Networking

### [TMA] CONTENT DELIVERY NETWORK (01-2019 – 03-2019)

#### DevOps

The product enables network service providers to build their own content delivery network (aka CDN) for streaming videos, leveraging network intelligence and subscriber data. This enables them to capitalize on growing consumer demand for rich digital media on any screen.

## Responsibilities

## Technologies

Set up and maintain CI/CD to build and testing the product, includes:

- o Testing environment deployment
- o Functional Tests
- o Performance Tests
- o Security Tests

Build the deployment system

Kubernetes  
Jenkins pipeline  
Gitlab-CI  
Terraform  
Puppet  
OpenStack  
Grafana, Prometheus, Node Exporter  
Docker  
Python  
Robot framework

### [TMA] NETWORK PERFORMANCE MANAGEMENT SYSTEM (07-2018 – 12-2018)

#### DevOps

The product is a web application that monitors performance of multivendor, multi-application and provide both historical and near-real-time views covering everything from Networks Devices and Server to VoIP and Web traffic to mission-critical applications and network resources

The product also supports Big Data Analytic feature, which is built based on big data technologies such as Hadoop, Impala, Kafka, Kafka connect, Apache Kudu.

The product is using a lot of technology such as C/C++, Java, JavaScript, Python...

DevOps will develop pipeline to build and deploy the product to customer's artifactory. Networking skills are needed to work remote in customer's systems and understood how customer's systems work.

## Responsibilities

## Technologies

Develop build pipeline in Customer's Kubernetes  
 Change from build in dedicated servers to cloud.  
 Register and carry out procedures for the product in customer's systems.

Kubernetes  
 Networking  
 Cloud Enterprise  
 C++, Java  
 JavaScript, Shell script  
 Spring MVC  
 MariaDB  
 Hadoop, Kafka, Impala, Apache Kudu  
 Apache/Tomcat  
 JIRA, Confluence  
 Git

## [TMA] MS CORE FOR HOAN VU LAB (05-2018 – 07-2018)

### DevOps

The product is a desktop application control a machine that used to check food quality running in a Windows machine. The desktop application will set and get information from a Zedboard to control the machine to check food quality. The information will store in a server for user can view in future with cloud support.

The product using many technologies such as Spring MVC, C/C++, C#... and various types of equipment such as server Linux, embedded devices, and cloud.

DevOps have mission to create pipeline to continuous integration / continuous delivery, build server build based on Linux and docker, auto scale build flow, deploy firmware and server services to server and Zedboard.

#### Responsibilities

Apply CI/CD to build and deploy the product.  
 Develop pipeline and shell script.  
 Create setup package.

#### Technologies

Networking  
 Jenkins pipeline  
 Linux, Windows  
 Cloud Enterprise  
 C/C++, C#, Java  
 Jenkins pipeline, Shell script  
 MariaDB  
 Git

## [PERSONAL PROJECT] SYSADMIN & DEVELOPER AT HDVNBITS.ORG (05-2012 – 2017)

### Sysadmin

HDVnBits.Org is a torrent website with 300k users in total and 75k users active same time in its heyday. It is a file sharing service and streaming in P2P protocol that uses MySQL and PHP, Bootstrap.

#### Responsibilities

#### Technologies

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Backup and maintain website  
Develop new feature  
Manage users and file sharing

PHP  
Bootstrap  
Git  
MySQL  
P2P protocol  
Linux  
File sharing service (Samba/NFS)  
Networking

## [CTU UNIVERSITY] HELPDESK GUY (09-2009 – 07-2013)

### *Helpdesk service*

CTU University has an e-Library, I am a helpdesk guy to support users using Linux computers and resolve their problems with network and computer.

#### **Responsibilities**

Repair computer  
Resolve problems (includes network problem and computer problem)  
Install infrastructure

#### **Technologies**

Networking  
Hardware

## [PERSONAL PROJECT] IT FOR A COFFEE SHOP (09-2011 – 05-2013)

### *IT support*

It name's Cara Coffee, a big coffee shop in Can Tho City. It has 3 branches in 3 places and my task is to make the huge data in 3 branches synchronize with each other

#### **Responsibilities**

Backup and maintain file sharing service  
Design network  
Security

#### **Technologies**

P2P protocol  
Linux/Windows  
File sharing service (Samba/NFS)  
Networking

## EDUCATION

**CAN THO UNIVERSITY** – Vietnam

*Communications and computer networks*

## AWARD AND CERTIFICATE

**CAN THO UNIVERSITY** – Vietnam

*CISCO CERTIFIED NETWORK ASSOCIATION (CCNA)*

ISSUED 05-2013 – EXPIRED 2014

**ACM ICPC** – Vietnam

*SECONDRATE BRANCH OPEN SOURCE*

ISSUED 08-12-2017

**TMA** – Vietnam

*PROMOTED TO DEVOPS*

ISSUED 12-2018

**ZALOPAY** – Vietnam

*PROMOTED TO SENIOR DEVOPS*

ISSUED 4-2021