

Julian (Phong) Nguyen

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EDUCATION

Connecticut College

BA COMPUTER SCIENCE & ECONOMICS

Honors and Awards: Dean's High Honor, Distinction Sophomore CS Student

Activities: Major League Hacking - Prep-Program Fellow

New London, CT | May 2024

WORK EXPERIENCE

SHOPIFY | PRODUCTION ENGINEER INTERN

Toronto, ON | May 2022 – Aug 2022

Technologies: *Kubernetes, Go, Apache Kafka, GCP, Ruby, DataDog, Splunk, Bash, Terraform*

- Reduce **Kafka** memory consumption by 20% with multiple upgrades on critical systems
- Lead the build of a customized **Kubernetes Controller** to parallelize rollout of global-scale 700+ **Kafka** brokers, saving time by 150%

CONNECTICUT COLLEGE | INFORMATION SECURITY OFFICE TECHNICIAN

New London, CT | Sep 2021

- Assist 10+ clients per week in troubleshooting various hardware and software related issues.

VIETTEL NETWORKS | CLOUD ENGINEER INTERN

Hanoi, Vietnam | May 2021 - Aug 2021

Technologies: *Kubernetes, Jenkins, Docker, Ansible, Bash, Go, PostgreSQL, KubeSphere*

- Targeted 50% cut in operation costs by migrating VM-based **PostgreSQL** to **Crunchy Data's Kubernetes Operator**
- Managed full lifecycle of **cloud-native** applications and **Kubernetes** resources via **KubeSphere**

VIETTEL IDC | SYSTEM ENGINEER INTERN

Hanoi, Vietnam | Jan 2021 – April 2021

Technologies: *Docker, Ansible, Python, Bash, QEMU*

- Simulated production use cases by launching & administrating **multinode OpenStack** deployments.
- Integrated **Prometheus** and **Grafana** to enhance detection of abnormal patterns from active virtual machines
- Implemented a distributed **Ceph** deployment with **OpenStack** to provision fault-tolerant block storage devices

GOLDENGATE CORP. | SOFTWARE DEVELOPER INTERN

Hanoi, Vietnam | Sep 2020 – Dec 2020

Technologies: *NodeJS, Express, React, React Native, MariaDB, MongoDB, Redis*

- Developed the **server-side** for an e-commerce platform including *database design, business logic implementation, OTP generation, user authentication* resulted in production launch
- Worked on client-side features of a **React Native** eKYC platform, and released to **Apple Store** and **Google Play** serving 10000+ employees
- Solved critical vulnerabilities on production application including **SQL injection** and **source code obfuscation**

PROJECTS

PRESENTATION AT OPENINFRA DAYS ASIA 2021

- Represented Viettel Network in sharing the progress on “**Migrating PostgreSQL to Kubernetes**”

SUPER SIMPLE TO-DO APP

EXPRESS, NODEJS, JENKINS, ANSIBLE, DOCKER, MONGODB ATLAS

- Built a simple **RESTful** web service using Express with external **MongoDB** hosted on **AWS**
- Set up **CI/CD Jenkins** pipeline on local VMs

TERMINAL NEWSREADER

PYTHON, PYTEST, TRAVIS-CI

- Developed a web scraper with **BeautifulSoup** to read **VnExpress** from Terminal.

TECHNICAL SKILLS

Languages: Java, Python, Golang, Bash, JavaScript, Ruby

Infrastructure: Kubernetes, OpenStack, AWS, Digital Ocean, GCP, Docker, Terraform, Ansible, Apache Kafka

Databases: MySQL, MariaDB, PostgreSQL, MongoDB, etcd

Certificates: CodePath Cybersecurity, AWS Solutions Architect Associate