LONG NGUYEN

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EXPERIENCE

Startup company   Vietnam
Infrastructure Engineer   Feb 2020 - Oct 2020
- Built an URL shortener service with dynamic TLS certificate and in-memory cache, using **Go**, **Kubernetes** and **AWS**. Analyze and optimize AWS cost.
- Implemented **GitOps** practices and wrote reusable Bash scripts, CI jobs, **Helm** charts for it. Thus increase developer experience and productivity.
- Administered multiple **Kubernetes** clusters with dozens of services on AWS. Set up monitoring & alerting with **Prometheus**, logging stack with Fluentd, Elasticsearch, Kibana and **CI/CD** with GitLab, ArgoCD.

Amazon Web Services (AWS)   Germany
Software Development Engineer Intern   Oct 2019 - Dec 2019
- Developed an internal tool for AWS Console team. Gathered requirements, researched and presented solutions, designed architecture and implemented code.
- **Got return offer.**
- Tech stack: AWS Lambda, CloudFront, CloudFormation, DynamoDB, Vue.js, TypeScript.

Google Summer of Code with Jenkins
Student Developer   May 2019 - Aug 2019
- Remoting over Apache Kafka plugin with Kubernetes features: bit.ly/longnlvgsoc.
- Implemented new features in **Java** to dynamically scale Jenkins worker nodes in **Kubernetes** and provision a ready-to-use **Apache Kafka** cluster in Kubernetes.
- Created **Helm** chart to bootstrap the whole system in Kubernetes.

Anduin Transactions   Vietnam
Software Engineer Intern   May 2019 - Aug 2019
- Implemented CI with **Jenkins** and **Groovy** to increase developer productivity.
- Wrote **Docker** images and **Bash** scripts to backup database.
- Deployed a highly-available Apache Kafka cluster on **AWS** using **Terraform** and **Ansible**.
- Refactor **Scala** backend to improve performance.

Hakokuru   Japan
Remote Software Engineer   Aug 2018 - Feb 2019
- Built a microservice to handle business logic related to an e-commerce application using state-machines, **Node.js, TypeScript, MySQL**.

Goodlife   Japan
Software Engineer Intern   Apr 2018 - Jul 2018
- Built a real estate listing website from scratch. Implemented a web server (**Node.js, TypeScript, GraphQL, MySQL, Redis**), a multilingual end-user website and an admin website (**React**) in 3 months.

EDUCATION

FPT University   Vietnam
B.SE in Software Engineering. *GPA: 3.4/4.0.*   Oct 2016 - Dec 2020
- Full-tuition scholarship.

HONORS AND AWARDS

Eighth place, ACM-ICPC Asia Manila Regional 2017
Solved 5/13 data structure and algorithm problems by C++ with a team of 3. Single-handedly solved the 5th problem in the last hour to help team won 8th place.

First place, Vietnam National Olympiad in Informatics 2016
The largest algorithm contest for high school students in Vietnam. Won first place out of more than 400 students.

Innovation Award (4th place), NEO x QRC Hackathon Tokyo 2018
Developed a decentralized health records database on NEO blockchain using Python. Won Innovation Award (4th place) out of 13 teams.

SKILLS

- **Application:** Go, JavaScript, Node.js, TypeScript, React, GraphQL, Java, Scala, C/C++, SQL, HTML, CSS.
- **Infrastructure:** Kubernetes, Docker, Jenkins, Terraform, Ansible, Bash, Linux, Helm, Prometheus, Amazon Web Services, GitOps, CI/CD.