



Harry Nguyen (Hàng Nguyễn)

DevOps AWS | GCP | Kubernetes Lover | Docker | CICD | Terraform | Jenkins | GitHub Actions | ArgoCD
Across clusters | GitOps

- Over 10 years of working experience in DevOps, Cloud Solution Architect, and System Network Administrator, and over 5 years as a DevOps Lead for many kinds of projects.
- Having excellent experience with cloud solution architecture (AWS, GCP).
- Designed, implemented, and managed complete DevOps process, and CICD workflow for many startups from scratch.
- Designed cloud architecture for the microservices application running on both Kubernetes and ECS clusters from the beginning
- Worked with healthcare platforms that required more security standards like HIPPA, GDPR, HiTrust....
- Had good experiences with blockchain / fintech platform implementation that following AWS zero-trusted security

📍 Việt Nam <https://hangnt1001.github.io/>  

Education



The University of Information Technology - Vietnam National University - HCMC
Computer Systems Networking and Security

2009 - 2014

Languages

- Vietnamese - Native
- English - Professional

Work Experiences

Senior DevOps Engineer • VEVE (<https://www.veve.me>)

August 2022 - Present

- Contribute to implementing and managing the old system by using 100% Pulumi typescript following zero-trust security across environments. Migrated the infrastructure of the old system from Pulumi to Terraform for better scalability (Terraform, Vault). Migrated services running in the ECS cluster to the EKS cluster.
- Responsible for the main CI/CD pipelines (GitlabCI, Github Action, Kubernetes, ArgoCD).
- Designed and implemented application deployment and configuration management, secret management for services running in EKS from scratch (EKS BluePrint, Terraform, ArgoCD, Github-Action, Doppler)
- Took high responsibility for monitoring, scaling, and managing all of the environments of the platform running on AWS. Designed, implemented, and took care of the Kafka/Dagster/Airbyte clusters of the platform.
- **Technicals:** AWS, Kubernetes, ECS, Terraform, Pulumi, Vault, Doppler, Datadog, GitlabCI, Github-Actions, ArgoCD, Helm, Kafka, AWS zero-trust security, Fastlane, Kafka, Dagster, Airbyte...

DevOps Lead • Storhub (<https://www.storhub.com>)

January 2021 - August 2022

- Designed, implemented and managed all the infrastructure running on AWS from scratch and CI/CD pipelines including dev, staging and production environments.
- Implemented “Infrastructure as a code”, built CICD from scratch for multiple projects.
- Designed, configured, built and maintained, scaled the platform based on Kubernetes deployment running on EKS on AWS. Multiple EKS clusters for many business locations including Singapore, Thailand, Japan, Korea...
- Took high responsibility for monitoring, scaling and managing the production environment of the platform.
- Built successful data warehouse pipelines which are using hevodata, aws redshift, metabase, tableau...
- Built a successful CICD pipeline for multiple serverless functions running on openFaaS.
- Built successful AI/ML pipeline which is using Juniper, DVC, python...
- **Technicals:** AWS, Kubernetes (EKS), Kong, Terraform, Monitoring stack using Prometheus, Grafana, Alert Manager, NextJS, NestJS, React, VueJS, Loki, Juniper, airflow...

DevOps Lead - Ascend Commerce • Ascend Group (<https://www.ascendcorp.com/>)

November 2019 - June 2021

- Took high responsibility for designing, implementing and managing all the infrastructure running on AWS and CI/CD pipelines including dev, staging, and production environments.
- Refactored CICD pipeline development and maintenance (Jenkins, Harbor, Vault, Kubernetes)
- Rebuilt and improved the application architecture running on AWS (EKS, DevOps processes)
- Took high responsibility for designing, configuring, building, and maintaining, scaling the platform based on Kubernetes deployment running on AWS.
- Took high responsibility to monitor, scale, and manage the production environment of the platform.
- **Technicals:** AWS, Kubernetes (EKS), Kong, Terraform, Jenkins, Harbor, Vault, GitlabCI, Hasura, React, NextJS, NestJS, VueJS, Microservices, Prometheus, Grafana, Alert Manager, Loki...

Senior DevOps • Rakuten Travel Xchange (<https://solutions.travel.rakuten.com/>)

June 2019 - January 2021

- Took high responsibility for designing, implementing, and managing all the infrastructure running on both GCP and AWS and CI/CD pipelines including dev, staging, and production environments.
- Refactored CICD pipeline development and maintenance (Jenkins, Kubernetes)
- Rebuilt and improved the application architecture running on GCP for all environments.
- Implemented “Infrastructure as a code” for all environments (Terraform, Vault)
- Took high responsibility for designing, configuring, building, and maintaining, scaling the platform based on Kubernetes deployment running on GKE on GCP.
- Took high responsibility to monitor, scale, and manage the production environment of the platform.
- **Technicals:** GCP, AWS, Kubernetes, Kong, Terraform, Monitoring stack using Prometheus, Grafana and Alert Manager, Golang, Elixir, Docker, Jenkins, Postgres, Ansible,...

Senior DevOps • FabFitFun (<https://fabfitfun.com>)

March 2019 - March 2020

- Designed and implemented application deployment and configuration management solutions and system automation scripts, automation CI/CD pipeline and infrastructure.
- Responsible for the main CI/CD pipeline (Jenkins, Kubernetes, Argo).
- Took high responsibility to monitor, scale, and manage all of the environment of the platform, dev, QA, staging, and production running on Kubernetes clusters on AWS.
- Took care of the performance and scalability of the Kubernetes cluster serving the hundred thousand of members.
- Designed, implemented, and took care of the Kafka clusters of the platform.
- **Technicals:** AWS, Kubernetes, Terraform, Vault, ArgoCD, Monitoring stack using Prometheus, Grafana and Alert Manager, Datadog, Java spring boot, Docker, PHP, Ansible, Jenkins, CircleCI...

DevOps Lead • FPT Software (<https://fptsoftware.com/>)

June 2018 - December 2019

- A digital platform to help derive the most performance from Sysmex Healthcare devices. This platform collects information, measurement, check, analysis, report and predict the situation of the healthcare devices to support safety and quality measures.
- Designed and implemented application deployment and configuration management solutions and system automation scripts, automation CI/CD pipeline and infrastructure.
- A lead of DevOps Team to configure, build and maintain, scale infrastructure which including Dev, QA, UAT and Production environments running on AWS
- Driving DevOps's practices into engineering team.
- Provide technical support and assist developers and testers in those environments.
- **Technicals:** AWS, Elastic Beanstalk, Java Spring Boot, AngularJS, Kafka, Microservice Deployment, Docker, Jenkins, Terraform, CloudFormation, SonarQube, Nexus, ELK Stack, DataDog...

DevOps Solution Architect • FPT Software (<https://fptsoftware.com/>)

January 2018 - December 2019

- This is a project of healthcare what we are working with big client. A strategic vision project with a new access to digital transformation/ IoT in healthcare domain. The platform is built based on the open business model, provides solutions for many companies/ groups relating to healthcare (including solutions for surgery, hospital, companies of smart medical supplies). The system needs to be integrate smart medical supplies, big software systems such as ERM, through medical international standards as well as connecting protocol like NFC, Bluetooth, etc. Product of this project will be a PaaS in cloud computing environment..
- Designed and implemented application deployment and configuration management solutions and system automation scripts, automation CI/CD pipeline and infrastructure.
- Configured, administrated and maintained, scaling infrastructure which including Devs, QAs, Stagings, Demos and Production environments running on the cloud (GCP).
- Driving DevOps's practices into engineering team.
- Provided technical support and assist developers and testers in those environments.
- **Technicals:** GCP, GKE, Docker, CircleCI, Jenkins, Terraform, Ansible, Fastlane, ForgeRock, Checkpoint, APIGee, Dynatrace, Twistlock, Helm, Jfrog, SonarQube...

DevOps Lead • Mediastep Software Inc.

June 2017 - December 2017

- Built, administrated and maintained CI/CD environments running on-premise and cloud (AWS).
- Lead of DevOps team to control, build and maintain infrastructure for all environments of the whole company and client company.
- Designed and developed solutions for many kinds of projects.
- Designed and implemented application deployment and configuration management solutions and system automation scripts.
- Response to clients as soon as possible and manage tasks for the team.
- Provided technical support and assist developers and testers in those environments.

IT Administrator / Sysadmin / DevOps cum Scrum Master • Mediastep Software Inc.

December 2016 - June 2017

- Built, administrated and maintained CI/CD infrastructure, including Dev, QA on premise, Staging and Production environments on cloud.
- Designed and implemented application deployment and configuration management solutions and system automation scripts.
- Built, configured and managed Xenserver, Gitlab, Ldap, wiki, document management, Linux servers, monitoring infrastructure, log management, Jenkins, Ansible, Slack integration, Hockeyapp, mobiles deployment, docker, microservices deployment ...
- Managed and deployed license software, domains, SSL certificates,...
- Provided technical support and assist developers and testers in those environments.
- Planned and built IT infrastructure of the whole company.

System and Network Administrator • TPF GROUP (Australia) (<https://www.tpf.com.au/>)

November 2013 - December 2016

- Built infrastructure and managed server on cloud (Amazon web service), EC2, RDS, S3, Auto scale, Load balancing, CDN...
- Controlled, administrated and managed network and system for the whole company including 5 sites (Australia Offices, Vietnam Office, Hongkong Office, China Offices, New Zealand Office).
- Designed, implemented and managed multiple ecommerce websites on AWS for the whole company (with more than 70 ecommerce websites)
- Built, configured and managed Windows servers, AD, LDAP, Linux servers, IIS servers, MSSQL servers, Nginx servers...Managed and deployed license software, hardware, domain, SSL certificate,...
- Supported all technical issues and handling all issues relating to system, user.
- Controlled and managed all IT devices (laptop, CPU, phone, camera, printer and office machines), software (Win, Mac and Linux), server, system network, internet and Wifi
- Built phone center system based on asterisk PBX for CS department by using queue
- Administrated, configured, supported server, mail exchange, office 365, sharepoint online and data system.
- Ensured Active Directory and network equipment (routers, switches, firewall, etc.).
- Planned and built IT infrastructure of the whole company.
- Working with different teams to support and solve all problems immediately.
- Planned, deployed, configured, managed the big storage for studio team, back up storage, network share storage...

Web developer • CYB

September 2013 - November 2013

- Rebuilt core's company framework
- Built Webapp to order, manage for restaurant and hotel
- Built examination and recruitment website

Reference Links

- Upwork: <http://www.upwork.com/freelancers/~012dd1deac6d8f621b>
- Wellfound: <https://wellfound.com/u/harry-nguyen-6>