NGUYEN HOAN TIEN
DEVOPS ENGINEER

ABOUT ME

🎂 13/05/1995

🏠 Vinh Loc B commune,
Binh Chanh District, HoChiMinh city

✉ tiennguyenhoan@gmail.com

📞 0907-783-718

SOCIALS

in linkedin.com/in/tiennguyenhoan

⑂ github.com/NguyenHoanTien

SUMMARY

With more than 6 years of working experience as a DevOps Engineer for multinational corporations (MNC). I have practical skills in architecture/management infrastructure (on-premise and cloud) for complex infrastructure systems, providing solutions that enhance the efficiency and performance of the company operations.

A type of person who is self-learned and overcomes limitations, I am seeking a new DevOps Engineer position in a company that has the same mindset and has more opportunities for me to contribute to the company's success

GRADUATED FROM

Bachelor
Information Technology

RMIT University Vietnam
📅 10/2014 - 9/2017

TECHNICAL SKILLS

- **OS**:
  +Centos   + Ubuntu   + Macos
- **Cloud**:
  + AWS   + Gcloud
- **Programming languages**:
  + Python   + Nodejs   + Go
- **CICD**:
  + Jenkins   + Gitlab CICD
  + Github Action   + Rundeck
  + Armoryio

- **Monitoring**:
  + Grafana   + Prometheus   + Sentry
  + Datadog   + Pingdom   + NewRelic
- **Logging**:
  + Elasticsearch   + Fluentd
  + Logstash   + Firebeat   + Kibana
- **IAC**:
  + Terraform + Ansible
  + Cloudformation

- **CDN**:
  + Fastly   + Cloudfront
- **Database**:
  + Postgres   + Mysql   + Mongodb
- **Containerize**:
  + Docker   + Docker-compose
  + Kubernetes + Kustomize +Helm
- **Others**:
  + Bash script + Nginx   + Apache2

Extra

You can check more of my skills stack in exprience session

- Migrated large infrastructure from local to Cloud (AWS) including migrate over 30TB data and 600GB of databases.
- Setup entire infrastructure for a project by Terraform from end to end
- Experiences with Front-end works, in building website in html, css, react.
- Experiences with building backend services to support internal systems.
- Managed a small DevOps team up to 4 members

Experience

Armory (US)   - Site Reliability engineer   📅 July 2023 - Feb 2024

Product based company – CD tools and services

- **Description:**
  Armory.io, is a product of Armory company, which is a platform that provides continuous delivery and deployment services, the platform specializes in enhancing Spinnaker - an open-source, multi-cloud continuous delivery tool. Armory.io aims to streamlining application deployment processes, managing deployment pipelines, and optimizing release strategies for various cloud environments

  In Dec 2023, Armory company has been bought by Harness

- **Technologies:**
  + AWS   + Spinnaker
  + Kubernetes, Docker   + Python
  + Prometheus, NewRelic

- Responsibilities:
- + Setup and manage the internal infrastructure of the company, using Terraform and customizing module
- + Support and troubleshoot Spinnaker for Armory's clients (Wannerbrother, Autodesk, Zendesk, Patreon, etc.)
- + Managing monitor service (New Relic) for visualizing data, and client's metric and also integrated SLI/SLO to tracking system health.

Sunbytes (Netherlands) — Senior Devops Engineer
📅 Mar 2021 - Jun 2023

Project: Organic (Changed to Recurrent) - Client US

- Description:

Organic (Recurrent) is a client of Sunbytes, they provide services for managing WordPress site ecosystems, such as publishing content, ads management, and campaigns. They are supporting multiple large magazine sites such as thedrive.com, taskandpurpose.com, bobvila.com, domino.com etc.

- Technologies:
- + AWS, Gcloud
- + Kubernetes, Docker, Docker-compose, Terrafrom
- + Fastly (CDN), Namecheap, Sentry, Datadog, Wordpress
- + PHP, Nextjs, Python

- Responsibilities:
- + Working directly with the client (Organic org) and supporting their in-house staff, VN teams and another offshores team in Ukraine and Russia.
- + Managing/Troubleshooting Organic infrastructure in AWS and Gcloud for over 25 magazine sites.
- + Integrate new magazine sites to the Organic infrastructure, with dockerize, deploy to Kubernetes, config CICD to Github action, and integrate to internal local setup tool of Organic.
- + Optimise current infrastructure and integrate new services to support client service, such as Sonarqube, Lighthouse (on-premise), etc.
- + Managing/Troubleshooting third-party service around the Organic products, Fastly, Sentry, Datadog, Pingdom
- + Building Terraform for Fastly configuration (CDN) and Gcloud infrastructure. Also, build Cloudformation scripts to configure AWS services/components to support magazine sites.
- + Manage/Build/Config Github action (CICD) for over 100 projects.
- + Building ecosystem for feature testing environment, which integrated automatically to Github action (CICD) to establish new environment when Dev create a Pull request or remove env when Dev closed/Merged Pull request.
- + Support On-boarding new members to projects, tutoring on K8s usage or guiding on how to work with projects.

Project: Kwadraad- Client Netherlands

- Description:

The client of Sunbytes, provides service for mental health hospitals in Dutch. I'm aren't dedicated to this project but they have lots of issues with CICD, so I support them in refactoring the entire build and deploying to k8s process.

- Technologies:
- + WordPress, PHP   + Kubernetes, Rancher, Helm   + Gitlab CI

- Responsibilities:
- + Refactoring the entire Gitlab CICD infrastructure for around 60 projects, make it more optimized
- + Implement Helm chart deployment with templating for 50 projects and integrate to Gitlab CICD
- + Maintain/Troubleshooting deployment to k8s environment

Project: Sunbytes Internal

- Description:

Sunbytes is an outsourcing company, that provice Engineer services for US and Dutch companies. They haven't had the internal SA team yet, so I support them in internal works

- Responsibilities:
- + Support interviews for SA, DevOps position to other projects of the company
- + Support and maintain the company's infrastructure/networking, such as network config, VPN, Hosting service, Gitlab
- + Write and define Company policy regarding hardware, and working space.

Inceptionlabs (Singapore) — Senior Devops Engineer — Software Engineer
📅 Mar 2020 - Mar 2021

Product based company - Betting services

- Description:

An Singapore company providing betting services for Philipines clients (Third-party companies)

- Technologies:

+ Java, Python	+ Gradle, Spring boot	+ JFrog Artifactory, Kafka, Rundeck	+ Gitlab, Gitlab CICD
+ Ubuntu, Windows	+ Nginx, Ansible, Terraform	+ AWS	+ Postgre

- Responsibilities:
- + Planning and migrating the old systems, including upgraded OS, re-structured networking, and defined service flow in AWS cloud providers.
- + Defined architect and implemented Gitlab CICD to the current product, including building CICD pipeline with Gitlab and deployment scripts for both Linux and Windows servers with Ansible
- + Support 4 teams in release/monitoring and consulting in deployment/release
- + Working directly with Philippines / Singapore / Malaysia clients to troubleshoot maintain their on-premise system
- + Training and monitoring a small DevOps team up to 3 members

Homecredit Vietnam   - Devops Engineer

Product based company - FinTech

- **Description:**
  HomeCredit Vietnam is a branch of Homecredit group, which is a consumer finance company that provides financial solutions to more than 12 million customers.
- **Technologies:**
  + Java, Python   + Maven, Spring boot   + Grafana, Prometheus, Kafka, Rundeck, Jenkins, VSphere (On-preme)
  + Ubuntu, MacOs   + Nginx, Ansible, Terraform   + AWS   + Kubernetes, Docker, Helm, Harbor, Glusterfx
- **Responsibilities:**
  + Support 3 products (Java base) at the same time from dev to production, with supporting dockerize and deploying to Kubernetes
  + Provisioning and maintaining Kubernetes cluster for all environments from scratch and in VMs based machines, not from Cloud provider.
  + Monitor system performance of 3 Kubernetes clusters and tracking product healthy with Prometheus and visualise data in Grafana
  + Built tool to check services healthy and notify with team
  + Implementing Nginx, Ha proxy for forwarding services from an internal network for 3 projects.
  + Writing Terraform for provisioning all resources in AWS, from network to instance (Lab)
  + Implement and manage Harbor docker registry.
  + Defined structure and architect for Docker Registry, Dockerfile, and Kubernetes clusters for multiple projects
  + Working with Team in designing Architecture and implementing CICD pipeline with Jenkins
  + Knowledge sharing in DevOps fields

Kobiton (US)   - Devops Engineer   - Software Engineer

Product based company - Mobile Testing Solution

- **Description:**
  Kobiton is a mobile device cloud platform that allows developers and businesses to easily access from anywhere and test on the real device.
  At first, it was a project from KMS technology, then the project has been growing and be a standalone company
- **Technologies:**
  + Nodejs, Reactjs   + Postgres, MongoDB   + Jenkins, Rundeck, Kibana, Elasticsearch   + Docker, Kubernetes, Helm
  + Ubuntu, MacOs   + Nginx, Ansible   + AWS, Gcloud
- **Responsibilities:**
  + Implementing Kubernetes to the current product in both AWS and Gcloud
  + Monitoring/maintaining/troubleshooting Linux system and customer hardware (Mac mini).
  + Perform release process annually to release the products and support fixing customers' issues.
  + Monitoring/maintaining product database (MongoDB and PostgreSQL)
  + Work closely with CI/CD tools:
      > Jenkins: Build/Enhance/Config deployment process with Jenkins pipeline
      > Rundeck: Executing Ansible scripts to help boot daily tasks and release tasks
  + Build internal tools/services to support internal works or to integrate the current system with other third-party systems.
  + Mentor group of interns (2~3 members) to building integration tools and writing integration documentation for over 5 months
  + Plan and define the roadmap for team DevOps in short-term or long-terms

KMS Technology Vietnam   - Backend Engineer (Internship)

Kobiton Project - Product base

- **Description:**
  KMS Technology is a U.S. based engineering and outsourcing services company with development center in Vietnam.
  Kobiton project is a branch of KMS besides engineering service, the aim is to build a product
- **Technologies:**
  + Nodejs, Html, css, Jquery
  + Postgres
- **Responsibilities:**
  + Built monitoring tools to watch the system healthy and notify the system issue to the team
  + Integrating Mkdocs to build a new documentation site

Side Project
You can check more of my skills stack in exprience session

- https://github.com/tiennguyenhoan/Github-action-demo: I made this project for the Github action workshop and with the purpose to help the Dev team understand the concept of CICD and be able to understand or trace issues when the deployment fails.
- https://github.com/tiennguyenhoan/kubernetes-basic-usage-learning: A documentation that helps Dev able to understand Kubernetes and real-case examples to help work with K8s easier.
- https://github.com/tiennguyenhoan/k8s-job-notifier: The idea is to have a mechanism that watch for job failure and notify to Slack. This also with a purpose for me to learn Golang