

Contact

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Top Skills

Containerization
Google Cloud Platform (GCP)
Next.js

Tuan Anh Nguyen

Senior DevOps Engineer
Vietnam

Summary

At Growth Technologies, our team's migration from GCP to AWS was a pivotal achievement, showcasing my ability to lead large-scale cloud transitions and infrastructure automation using Terraform. My expertise in containerization, particularly Kubernetes with Istio Service Mesh, ensures robust, scalable deployments.

With a profound understanding of cloud platforms and a degree in Information Technology, my proficiency extends to monitoring system health via Prometheus and Grafana. My efforts contribute to a secure, efficient, and cost-effective infrastructure, aligning with my commitment to continuous improvement and operational excellence.

Experience

Source of Asia - SOA
Senior DevOps Engineer
November 2024 - Present (5 months)
Ho Chi Minh City, Vietnam

Growth Technologies
Senior DevOps Engineer
June 2022 - October 2024 (2 years 5 months)
Ho Chi Minh City, Vietnam

Key Responsibilities at Growth Technologies:

- Administered AWS resources (IAM, EC2, EKS, CloudFront, S3), ensuring compliance with security best practices.
- Led the complete migration of the system from GCP to AWS.
- Managed 100% of infrastructure setup using Terraform.
- Leveraged Ansible for the majority of configuration management tasks.
- Expertly configured and managed CI/CD pipelines, particularly with GitLab CI autoscale.
- Operated databases, including MongoDB, Elasticsearch, Kafka, and Redis.
- Containerized applications and deployed services on Kubernetes, utilizing Istio Service Mesh for traffic management and security.

- Monitored system health with Prometheus, Grafana, and Alertmanager, implementing phone call alerts for critical notifications.
- Handled logging with Fluentbit, Graylog, Elasticsearch, and Sentry (self-hosted).
- Utilized CloudTrail, AWS SQS, Elasticsearch, and Slack to track administrative actions in AWS.
- Detected and alerted developers to performance issues.
- Investigated and resolved system failures, assuming full responsibility for finding root causes.
- Optimized AWS usage to minimize operational costs.

Hello Health Group

DevOps Engineer

May 2021 - May 2022 (1 year 1 month)

Ho Chi Minh City, Vietnam

Key Responsibilities at Hello Health Group:

- Responsible for the operation and security of cloud-based systems on GCP, as well as DNS and CDN caching using Cloudflare.
- Achieved a 40% reduction in wasteful costs on GCP shortly after joining the company.
- Managed GCP resources, including GKE, GCE, and Cloud Storage.
- Utilized Admin Activity audit logs to track administrative actions in GCP, sending notifications to Slack using Cloud Logging, Cloud Pub/Sub, and Cloud Functions.
- Operated databases such as MySQL, Elasticsearch, Kafka, and Redis.
- Deployed and maintained CI/CD pipelines using GitLab CI, Docker, and Helm.
- Monitored system health with Prometheus, Grafana, and Alertmanager, implementing phone call alerts for critical notifications.
- Handled logging processes with Fluentbit, Graylog, Elasticsearch, and self-hosted Sentry.
- Investigated and troubleshoot performance issues and service failures in production environments.
- Automated all operational tasks using Python and Bash.

Lozi

DevOps Engineer

May 2020 - March 2021 (11 months)

Ho Chi Minh City, Vietnam

- Research and apply CI/CD pipeline for Android and iOS apps.

- Build separate dev environments for each backend developer.
- Set up server systems for Loship's services using VMware ESXi and keep the services up 24/7.
- Manage and monitor all servers and system infrastructure.
- Operate all microservices and other services such as DNS, Nginx, HAProxy, Prometheus, Grafana.
- Other project tasks as required by CTO.

Fpt Telecom

DevOps Engineer

November 2017 - April 2020 (2 years 6 months)

Ho Chi Minh City, Viet Nam

- Administrate, configure and troubleshoot applications in a Linux environment.
- Setup, manage and operate server hardware infrastructure, Linux server, SAN Storage.
- Decouple the monolithic application into microservices.
- Build and deploy the containerized microservices on Docker Swarm.
- Apply the CI/CD process with Gitlab CI, Ansible, Sonarqube,...
- Setup and maintain components in a centralized log management system such as ELK Stack, Kafka, and write alert rules with Python Scripts.
- Build and deploy FreeRADIUS for the wifi-marketing project.
- Support MySQL databases.
- Be proficient in Major DevOps Tools: Ansible, Docker, Kubernetes, GitLab, Istio, ELK, Jenkins, Sonarqube, CI/CD tools,...
- Use of shell scripting languages including BASH and Python strongly.
- Write and maintain custom scripts to increase system efficiency and lower the human intervention time on any tasks.

Education

HCMC University of Technology and Education

Information Technology · (2014 - 2018)

PyFML