Lê Thanh Tùng

Cloud Engineer

📞 0969736251   ✉ tunglethanh2703@gmail.com   🔗 tungthanhle.tech   📍 Hạ Mỗ, Đan Phượng, Hà Nội

OBJECTIVE

DevOps/Cloud Engineer with 2.5 years in cloud infrastructure, automation, and continuous delivery for international clients (US, Japan, HongKong). Specializes in **AWS**, **Terraform**, **Kubernetes (EKS)**, **CI/CD pipelines**, and system observability using **CloudWatch, Prometheus/Grafan**a and **ELK stack**. Proven track record of working in Agile teams, supporting production environments, and delivering stable, scalable infrastructure for web applications and microservices.

EDUCATION

Hanoi University of Industry   10/2020 - Current

Electronics and Telecommunications

WORK EXPERIENCE

TCOM Corporation   11/2024 - 08/2025

NTT Digital - Infra Engineer

Description:
- Design and implement the infrastructure for **Xnode**, a blockchain node provider service supporting Bitcoin and Ethereum. Xnode offers secure and scalable JSON-RPC endpoints for cryptocurrency exchanges to interact with on-chain data.

Responsibilities:
- Design and deploy **multi VPC** environments(backend, mainnnet, testnet) using **Terraform**
- Implement internal + external healthcheck mechanism using **Lambda** + **Cronjob**
- Combine various of security tools to optimize security
- Setup CI/CD pipeline for Terraform using **Github Actions**
- Setup alerts using **CloudWatch**

Tech stack:
- IaC: Terraform
- Compute & Networking: VPC, EC2, Auto Scaling Group, ECS (Fargate), Lambda, NLB, API Gateway, Route 53
- Storage & Database: S3, Aurora
- Security: IAM, Secrets Manager, WAF, Shield, Guard Duty, Inspector, Trivy
- Monitoring & Tracing: CloudWatch, Kinesis, CloudTrail, Sysdig, New Relic
- CI/CD: Github Action, CodePipeline

TCOM Corporation   05/2024 - 12/2024

Order Management Platform - Devops Engineer

Description:

A microservices e-commerce platform deployed on AWS with **Kubernetes (EKS).** The system enables suppliers to list and manage their products, while end users can browse, purchase, and complete payments online. The project focuses on scalability, automation, and observability, ensuring smooth CI/CD and reliable monitoring for production workloads.

Responsibilities:
- Designed and operated AWS cloud infrastructure for production e-commerce system.
- Automated infrastructure provisioning using **Terraform**.
- Managed containerized workloads on **EKS** and optimized cluster operations.
- Built CI/CD pipelines with **CodeBuild** and **ArgoCD** for automated deployment.
- Implemented observability stack: **Prometheus**, **Grafana**, **Alertmanager** with **Slack integration**.

- Deployed centralized logging system using **EFK stack**.
- Configured **ALB**, **EBS CSI driver**, and **Route 53 DNS** for ingress and storage.
- Reported weekly infrastructure cost and performance metrics to CTO.

Tech Stack:
- AWS (EKS, EC2, ALB, CodeBuild, Route53, IAM, S3, CloudWatch), Terraform, ArgoCD, Prometheus, Grafana, ELK, Sentry, MongoDB

FPT Software	11/2023 - 04/2024

Ascender - Cloud Engineer

Description:
- **Ascenders** is a multi-portal EdTech platform with a 3-tier architecture, deployed on AWS. It includes a student LMS, an admin dashboard, and a partner portal for job applications and financial support. The system was architected with high availability, secure infrastructure, and CI/CD automation to ensure scalable operations and fast, reliable releases.

Responsibilities:
- Design and deploy infrastructure using **Terraform**
- Setup CI/CD pipeline with **CodePipeline** to automate deployment
- Collaborate with dev team to release production
- Troubleshoot and update pipeline if occur failures
- Set up healthcheck, logging, and alerting using **CloudWatch**

Techstacks:
- AWS (ECS, ALB, RDS MySQL, CodePipeline, CloudWatch), GCP (Firebase Hosting), Terraform, Snyk

FPT Software	04/2023 - 04/2024

Industrial Medicine - Devops/Sysops Engineer

Description:
- Contributed to the infrastructure modernization and operation of **EL-Navi**, a cloud-based mental health support service for enterprises in Japan. The system enables HR departments to manage employee well-being from prevention and early detection to recovery

Responsibilities:
- Operate and maintain deployment flow for Rails application using **Capistrano**
- Upgraded infrastructure from single **EC2** to **ALB** and target group for high availability
- Work with dev team to release production
- Separated frontend from backend: migrated static content to **S3** + **CloudFront** for scalability and cost efficiency
- Setup CICD for frontend deployment using **Github Action**.

Techstacks:
- AWS(EC2, ALB, CloudFront, S3, Elasticache Redis, RDS PostgreSQL), Capistrano, Github Action

CERTIFICATIONS

AWS Certified Solutions Architect – Professional	12/2025
AWS Certified Solutions Architect – Associate	04/2024
CCNA: Introduction to Networks	07/2023

SKILLS

Cloud Platforms	AWS, GCP (limited to Firebase, Cloud Build, Cloud Functions)
CI/CD	GitLab CI/CD, AWS CodePipeline, GitHub Actions,ArgoCD
Containers	Docker, Kubernetes, ECS, EKS
Monitoring & Logging	Prometheus, Grafana,, CloudWatch, ELK, Sentry
IaC / Automation	Terraform, Ansible basic
Networking & Security	VPC design, Security Group, IAM , WAF, Secrets Manager, SSM
Scripting	Python, bash

Soft Skills	Engllish(technical communication), Client-facing experience

ACTIVITIES

Hanoi University of Industry   2022 - 2023

**DESIGNING NETWORK INFRASTRUCTURE FOR
FACULTY OF ELECTRONICS**

Carrying out the university's scientific research with the topic" Designing network infrastructure at the Faculty of Electronics", in which we simulated network infrastructure with the ability of infrastructure and system administration based on Active Directory technology of Windows Server. The simulated network infrastructure enabled users to communicate and share information with each other in a secure and stable private network.

Hanoi University of Industry   2023 - 2024

**DESIGNING AWS IOT ANALYTICS ARCHITECTURE
TO DEVELOP IOT SYSTEM**

Utilize scalability and high availability of AWS cloud to implement analysis system for the aquaculture. Using IoT Core to collect data from sensors on-prem and ingest it into IoT Analytics to filter data. Using QuickSight to make graph-based analysis and forecast. The solution help mitigate operation overhead and speed up the implement compared to the onprem solution.

INTERESTS

Research new technologies.
Seek for a happy life.