Trần Diệp Phương Vy

Ho Chi Minh, Vietnam

4. 0931333574 ■ andreatran2002@gmail.com **%** https://www.linkedin.com/in/andreatran-175a0917b/

WORK EXPERIENCE

FIDT - DevOps Engineer - Remote

Mar 2023 - Present

DevOps

- Successfully created and maintained automated CI/CD pipelines for code test, build, deployment, and release using Gitlab CI while automating the deployment process, reducing the manual work and escalation work efficiency
- Ensure system stability and prevent downtime
- Build infrastructure using Terraform Infrastructure as Code (IaC)
- Build a Terraform module and Helm Chart to reuse the infrastructure module.

Private Cloud

- Reduced the monthly cost by \$1000 in a non-production environment by developing its cluster
- Enhanced OpenNebula terraform provider using Golang
- Developed FIDT CSI plugin (use TDD for development process)

Monitoring

- Design and set up a monitoring system for logging, metrics, and tracing (Loki, Grafana, Prometheus, Opentelementry,...)
- Create a robust alerting rule integration with Prometheus (PromQL) to send notifications to Discord in case of issues.

Other

- Self-hosted VPN, Gitlab Runner
- Self-hosted Canvas LMS (build from source and deploy to Kubernetes)
- · Setup cron job system based on Argo Workflow

FIDT - Software Developer - Remote

Mar 2023 - Present

- Developing financial planning websites
- Develop single sign-on(SSO) system
- Code Directus extension to customize its features
- Contributed to designing project models from requirement gathering to creating comprehensive data schemas

Inter-K - Software Developer - Internship

Dec 2022 - Mar 2023

- Participated in the bug-fixing process for the company's internal project using .NET and Angular.
- Engaged in training sessions for Java Core, Spring Boot, Microservices, CICD tools, and AWS.
- Contributed to building CICD pipelines in the IASv2 internal project using Terraform, Teragrunt, Digital Ocean, and Gitlab CI.

SKILLS

Language English, Vietnamese

Programming Language C# , Golang, Typscript , JavaScript System Administration Linux, Bash Shell, Ansible.

Cloud Infrastructure Digital Ocean(Droplet, Database, Kubernetes), AWS (S3, Dynamodb), Private Cloud

(OpenNebula, K3s), Cloudflare (Tunnel, Pages, Functions)

Containerization Docker, OpenNebula (Virtualization Engine), Kubernetes (k8s and k3s distribution)

CICD tools Gitlab CI, Terraform, Terragrunt, Pulumi

Principal TDD, OOP, SOLID

EDUCATION

HCMC University of Technology and Education University - Major:

Oct 2020 - 2025

Information Technology

GPA: 3.3/4

CERTIFICATIONS

TOEIC Certificate with score 805 (Reading + Listening)

Certified Kubernetes Administrator (CKA)

Certified Kubernetes Security Specialist (CKS)

2024

PROJECTS

FIDT Monitoring system (2024 - now)

Customer	FIDT
Description	A monitoring system tracks and analyzes IT infrastructure performance, providing real-time alerts and insights for proactive management.
Team size	1

My position	DevOps
My responsibilities	 Analyzed system requirements and selected the most suitable monitoring tools. Set up and configured monitoring tools effectively. Developed dashboards to display critical metrics and system performance. Created automated alerts to monitor system performance and detect issues promptly. Customized alert thresholds and notifications based on system needs and business priorities. Integrated alert notifications with Discord to ensure real-time communication with the operations team.
Technologies used	- Metrics: Prometheus, Mimir - Tracing: Opentelementry, Glitchtip, - Logging: Loki - Other: Grafana, Grafana Alloy, Node exporter

FIDT Private Cloud (2023 - now)

Customer	FIDT
Description	A private cloud offers dedicated, secure cloud resources for a single organization, ensuring control, customization, and enhanced data privacy.
Team size	1
My position	DevOps + Platform Engineer
My responsibilities	 Conducted analysis and design for system architecture. Developed a CSI plugin for Kubernetes. Customized VM images for k3s nodes based on their roles (server or agent). Enhanced the OpenNebula Terraform Provider for better integration. Utilized Helm Charts and Terraform modules to build and manage infrastructure. Applied Test-Driven Development (TDD) in the development process to ensure code quality and reliability. Build CI/CD for testing, build, and deploy Maintain the system
Technologies used	 - Tools: Terraform, Terragrunt, Gitlab CI, bats (Bash test tool) - Languages: Golang, Bash script - Cloud Infrastructure: OpenNebula Engine, libvirt, Kubernetes (k3s distribution)

FIDT IDPv1, IDPv2, Wealth platform

(7/2023 - now)

1 1D 1 1D1 (1, 1D1 (2, ((Cultil	r	(112023	
Customer	FIDT		
Description	This is the financial planning website of FIDT Company		
Team size	6		
My position	Developer + DevOps		
My responsibilities	- Build CI/CD - Setup infrastructure - Monitoring system and handling issues - Building model - Code frontend using Vuejs, backend using nodejs - Migrate old database to new database		
Technologies used	- Express , ReactJS , Firebase , Directus, Vuejs - Terraform , Terragrunt , Gitlab CI - Digital Ocean, AWS S3 , Cloudflare , Kubernetes , Docker		

FIDT Single Sign On (3/2023 - 7/2023)

Customer	FIDT
Description	The SSO system uses OAuth2 for secure, seamless user authentication across multiple applications.
Team size	1
My position	Developer + DevOps
My responsibilities	- Analysis and Design - Development - Review code - Optimize code - Bug Fixing - Monitoring system and handling issues

Technologies used

- Express - ReactJS - Firebase - Directus
- Terraform , Terragrunt , Gitlab CI
- Digital Ocean, AWS S3 , Cloudflare , Kubernetes , Docker