Luu Minh Thien

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EDUCATION

University of Information Technology – Vietnam National University   **Sep 2021 – Jun 2025 (Expected)**
- **Major:** Computer Networks and Data Communications.   • **GPA:** 9.00/10
- **Achievements:** 5 academic scholarships/6 semesters.

WORK EXPERIENCES

ATOM Solution (Ho Chi Minh City, Vietnam)   **June 2024 – April 2025**
DevOps Engineer
- Participated directly in building and managing the production infrastructure for merchant platforms of OCB and BVBank, ensuring stability and scalability.
- Collaborated with the development team to deploy services to K8s clusters in production environments.
- Implemented and managed proxy servers and monitoring tools to enhance system performance and reliability.
- Developed automation scripts using Bash, Python, Ansible, and Terraform to streamline infrastructure deployment and management.

PROJECTS

Build a CI/CD pipeline for a microservices application   **Mar 2024 – June 2024**
Implemented CI/CD pipeline for a Microservices-Based Web Application on the local system and AWS.
Responsibilities:
- Developed a simple microservices architecture comprising a front-end and multiple back-end services.
- Provisioned resources using Terraform and configured Kubernetes clusters with 'kubeadm' via Ansible, ensuring a scalable and automated setup.
- Implemented CI/CD pipeline with Jenkins, deploying the application locally and on AWS by Docker and K8s.

Monitoring Cloud infrastructure using Prometheus & Loki with Grafana & Icinga   **Sep 2024 – Nov 2024**
for microservices application on K3s
Designed a monitoring system for microservices application on K3s using Prometheus, Loki, Grafana, and Icinga for metrics, logging, and alerts.
Responsibilities:
- Designed and managed cloud infrastructure, writing Terraform, Ansible scripts, and Kubernetes manifests.
- Deployed and maintained web application, configured HAProxy, and troubleshot K3s clusters.
- Implemented monitoring with Prometheus, Loki, and Grafana for performance and system health insights.

Implementing a DevSecOps model for High Availability CI/CD system in   **Sep 2024 – Dec 2024**
microservices environments
Designed a secure, high-availability CI/CD system by integrating security into the development pipeline, ensuring seamless deployments, vulnerability detection, and operational efficiency.
Responsibilities:
- Built and managed CI/CD pipelines using GitHub Actions for CI and FluxCD for automated CD.
- Automated scripts using Terraform, Ansible, and Kubernetes manifests tailored to fit deployment needs.
- Integrated security tools such as SonarQube, Trivy, and Vault to enforce DevSecOps practices, ensuring secure code, vulnerability detection, and secrets management.

AWARDS

- **Third prize**   **Net Challenge 2023**   **Oct – 2023**

SKILLS

- Programming & Scripting: Python, Bash, JavaScript, Ansible, Terraform, PowerShell, CloudFormation.
- CI/CD Tools: Jenkins, GitLab CI, GitHub Actions, FluxCD, ArgoCD.
- Containerization & Orchestration: Docker, K8s (AWS EKS, RKE2, K3s), Docker Swarm, Rancher, Helm.
- Others: Cloud Platforms (AWS, CMC, FPT), Monitoring (Prometheus, Loki, Grafana), Reverse Proxies/API Gateways (HAProxy, Nginx, API6), Databases (MongoDB, MySQL, Redis), Streaming (Kafka), Security (Checkov, SonarQube, Trivy, Vault), Storage (GitHub, GitLab, Harbor, MinIO), Networking (TCP/IP, OSI).