



LE HUU DUC

DEVOPS ENGINEER

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Highly skilled DevOps Engineer with 5+ years of experience in designing, implementing, and optimizing cloud infrastructure and CI/CD pipelines. Proficient in IaC (Terraform, Ansible), Kubernetes (ArgoCD), and comprehensive monitoring (Prometheus, Grafana) across Azure, AWS, and GCP. Proven ability to enhance system reliability, accelerate release cycles, and ensure high availability for critical applications.

SKILLS

- Cloud Platform: AWS, Azure, GCP
- Containerization : Docker, Kubernetes
- IaC: Ansible, Terraform
- Scripting: Python, PowerShell, Bash
- CI/CD: Jenkins,AZ DevOps, ArgoCD
- Monitoring: Prometheus, Grafana, Zabbix
- Logging: EFK, Cloudwatch, App Insights

CERTIFICATE

- Azure Administrator Associate
- Terraform Associate
- Certified Kubernetes Administrator
- AWS Certified Cloud Practitioner
- GCP - Associate Cloud Engineer

EDUCATION

Bachelor of Technology
FPT University
2014 - 2018

EXPERIENCE

FPT Software - Oct 2023 - Now

Vehicle Management System

- Implemented automated infrastructure provisioning and management with Terraform IaC and Atlantis for collaborative workflows.
- Optimized existing Terraform modules for enhanced reusability, maintainability, and scalability.
- Imported existing cloud infrastructure into Terraform, achieving full infrastructure version control and consistent deployments.
- Audited IAM access policies to enhance cloud security and enforce the principle of least privilege.
- Designed and implemented Prometheus and Grafana, gaining real-time monitoring and alerting.
- Implemented CI/CD pipelines, version-controlled Azure Data Explorerschema and Azure API Management deployments.
- Led the migration to a GitOps model with ArgoCD for Kubernetes deployments, boosting reliability, traceability, and speed.
- Implemented a secret management solution, securing sensitive Kubernetes application credentials.
- **Technologies:** Azure, Kubernetes, ArgoCD, Terraform, Atlantis, ADX, APIM, Prometheus, Grafana.

Cloud Migration Factory

- Optimized CI/CD pipelines for Kubernetes (on-premises and GCP), cutting deployment times and boosting release frequency.
- Automated Terraform configuration testing via Jenkins, improving infrastructure reliability and speeding up development.
- Automated golden image building and testing with Ansible and Packer, standardizing server configurations and streamlining provisioning.
- **Technologies:** Jenkins, Ansible, Packer, Kubernetes, Istio, Bash, GCP, Terraform

Saigon Technology - May 2021 - Jul 2023

Financial System

- Managed and maintained complex systems on Azure, ensuring high availability and performance for critical financial applications.
- Designed, implemented, and maintained CI/CD pipelines across multiple environments using Azure Pipelines
- Managed application configurations and deployments, ensuring consistent and reliable releases.
- Performed root cause analysis for production errors, identifying and implementing solutions to enhance system stability.
- **Technologies:** Azure App Services, Functions, Logic Apps, Storage Account, Cosmos DB, App Insights, MSSQL, Python, PowerShell

Sales Platform

- Set up and managed systems across multiple AWS regions, ensuring global availability and disaster recovery capabilities.
- Managed and deployed applications using Ansible, automating configuration and deployment processes.
- Built and maintained on-premise monitoring systems using Zabbix, ensuring proactive issue detection and resolution.
- **Technologies:** AWS (EC2, ELB, RDS, S3, CloudFront, CloudWatch, VPC, SNS, Lambda), Jenkins, Ansible, Terraform, Redis, Twilio

TMA Solutions - Sep 2019 - Apr 2021

Video Social Network

- Set up and managed highly scalable systems on AWS EKS (Elastic Kubernetes Service), ensuring robust infrastructure.
- Built and maintained AWS cloud infrastructure, optimizing resource utilization and cost efficiency.
- Implemented and managed CI/CD pipelines with Jenkins, streamlining software delivery and enabling rapid deployments.
- **Technologies:** Kubernetes, Helm, EFK (Elasticsearch, Fluentd, Kibana), Prometheus, Grafana, Keycloak, Redis, MongoDB, Kafka