MINH QUAN BUI

DEVOPS INTERN

Ho Chi Minh City

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SUMMARY

I am a third-year Computer Networks and Data Communications student with hands-on experience in DevOps tools such as Kubernetes, Docker, Jenkins, and Terraform on AWS. I am passionate about building secure, automated, and scalable systems, and have implemented CI/CD pipelines for microservices-based applications. I am eager to contribute to Bosch's DevOps and cloud automation initiatives while expanding my skills in embedded software integration and system monitoring. With a proactive learning mindset and the ability to commit full-time for 6 months, I aim to deliver value and grow in a challenging engineering environment.

EDUCATION

Bachelor of Engineering - University of Information Technology (HCM VNU)

Junior Computer Network and Data Communication Student   Expected March, 2026
GPA: 7.7/10

PROJECT

Microservices Deployment & CI/CD Automation

Tech stack: Terraform, GitHub, Maven, Jenkins, Docker, Kubernetes, Prometheus, Grafana, AWS

- Designed and implemented a CI/CD pipeline on AWS to automate the deployment of a microservices-based application.
- Provisioned infrastructure using Terraform, ensuring reproducibility and scalability.
- Containerized services with Docker and managed them with Kubernetes for efficient orchestration.
- Configured Jenkins to automate build, test, and deployment processes, streamlining software delivery.
- Integrated Prometheus and Grafana for real-time monitoring, enhancing system observability and reliability.

Cloud Resource Management with Apache CloudStack

Tech stack: Apache CloudStack, KVM, MySQL, Prometheus, Grafana, VirtualBox

- Developed a cloud resource management system using Apache CloudStack in a virtualized test environment.
- Deployed CloudStack on KVM with MySQL to manage compute, storage, and networking resources.
- Integrated Prometheus and Grafana for real-time monitoring, enabling performance tracking and basic observability.
- Demonstrated system scalability and stability within the limitations of a VirtualBox-based setup.

SKILLS

Programming & Scripting: C/C++, Python, BashScript
OS: Windows, Linux
Container & Orchestration: Docker, K3S
Database: MySQL, Firebase
Other: Terraform, AWS Service, Jenkins, Computer Network