# Thiện Trần

**DevOps Engineer (Fresher)**

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## Summary

DevOps-focused IT student with hands-on experience in **Docker, Terraform, Ansible, Jenkins, and GitHub Actions**. Built automated **CI/CD pipelines, containerized applications, and monitoring systems using Prometheus and Grafana**. Experienced in deploying production applications on cloud infrastructure with Infrastructure as Code.

## Skills

**CI/CD:** GitHub Actions, Jenkins
**Containerization:** Docker, Docker Compose, Container Networking
**Infrastructure as Code:** Terraform
**Configuration Management:** Ansible
**Cloud Platforms:** AWS (EC2, S3, IAM), DigitalOcean
**Monitoring & Observability:** Prometheus, Grafana
**Web & Networking:** Nginx, SSL/TLS
**Programming & Scripting:** Bash, YAML, JavaScript (Node.js)
**Version Control:** Git, GitHub

## Project

**MERN TODO APP PRODUCTION DEPLOYMENT** March 2026

- Designed and deployed a **production-ready MERN stack application** on DigitalOcean using **Infrastructure as Code with Terraform and Ansible**.
- Containerized services (**React, Node.js, MongoDB**) with **Docker and Docker Compose**, implementing multi-stage builds and optimized container networking.
- Built **CI/CD pipelines with GitHub Actions and Jenkins**, enabling automated build and deployment via GitHub webhooks and SSH-based deployment.
- Implemented **monitoring and observability stack** using **Prometheus, Grafana, Node Exporter, and Alertmanager** for system metrics and alerting.
- Configured **reverse proxy and automated SSL/TLS certificates** using Nginx Proxy Manager and Let's Encrypt.
- Achieved **automated end-to-end deployment pipeline**, from infrastructure provisioning to application release with minimal downtime.

**Technologies:** Terraform, Ansible, Docker, Docker Compose, Jenkins, GitHub Actions, Prometheus, Grafana, DigitalOcean, Nginx, MongoDB, Node.js, React.
**Repository:** *https://github.com/thientr18/mern-todo-devops*

## Experience

**BRAIN-LIFE** HCMC
**Software Engineer Intern** May 2025 – September 2025

- Developed Android-based biofeedback games controlled by **EEG headband signals** to support cognitive research and brain-training applications.
- Participated in development of **brain–computer interface (BCI) systems**, contributing to application architecture and integration between hardware devices and software components.
- Built and maintained **reliable hardware–software communication workflows**, ensuring stable real-time data processing between EEG devices and mobile applications.

## Education

**International University - Vietnam National University HCM City** September 2021 - December 2025
Bachelor of Engineering in Information Technology GPA: **3.14 / 4.0**