

Thiện Trần

Fullstack Developer

Tam Binh, HCM City • (+84) 971 863 707 • thientran03.it@gmail.com • <https://www.linkedin.com/in/thientr18/>
• <https://github.com/thientr18> • <https://tran-thien.id.vn/>

Summary

Fullstack Developer with experience building scalable web applications using React and TypeScript, as well as backend systems built with Node.js, PostgreSQL, and MySQL. Skilled in RESTful API design, authentication and authorization systems, concurrent transaction handling, and production-oriented backend architecture. Familiar with Docker, CI/CD pipelines, infrastructure automation, monitoring, and cloud deployment workflows across AWS and Linux-based environments.

Skills

Frontend: React.js, TypeScript, JavaScript, Tailwind CSS, Ant Design

Backend: Node.js, Express.js, REST APIs, Authentication & Authorization, Zod, Prisma ORM

Database & Cache: PostgreSQL, MySQL, MongoDB, Redis

DevOps & Cloud: Docker, GitHub Actions, Jenkins, Terraform, Ansible, AWS, Nginx, Linux

Monitoring & Observability: Prometheus, Grafana

Tools: Git, GitHub, Bash

Languages: English (IELTS 6.0), Japanese (Currently learning)

Experience

BRAIN-LIFE

HCMC

Software Engineer Intern

May 2025 – September 2025

- Developed Android-based biofeedback games integrated with EEG headband devices for cognitive training and research applications.
- Contributed to the design and development of brain-computer interface (BCI) systems and real-time data workflows.
- Implemented and maintained stable communication pipelines between EEG hardware devices and mobile applications.
- Collaborated with cross-functional team members to improve reliability and performance of EEG signal processing systems.

Education

International University - Vietnam National University HCM City

Expected Dec 2025

Bachelor of Engineering in Information Technology

GPA: 3.14 / 4.0

Projects

CINEMAHUB – Movie Reservation System

Fullstack Developer

April 2026 – May 2026

- Developed and deployed a cloud-hosted movie reservation platform using React, TypeScript, Node.js, PostgreSQL, Redis, and AWS.
- Designed RESTful APIs for authentication, reservations, movie management, and admin reporting modules using Prisma ORM.
- Implemented race-condition-safe seat booking using PostgreSQL transactions and row-level locking to prevent double-booking under concurrent requests.

- Built secure JWT authentication with rotating refresh tokens, Redis-based token revocation, and role-based authorization.
- Architected AWS infrastructure using EC2, S3, CloudFront, Route 53, Docker, and GitHub Actions CI/CD workflows.
- Implemented infrastructure and security practices including HTTPS termination, CloudWatch monitoring, automated backups, rate limiting, and least-privilege IAM access.
- Seeded database with 50+ movies, 800+ showtimes, and 87k+ generated seats for realistic reservation workflows.

Technologies: React, TypeScript, Node.js, Express.js, PostgreSQL, Prisma ORM, Redis, Docker, AWS, GitHub Actions, TanStack Query, JWT, Zod, Tailwind CSS

Repository: <https://github.com/thientr18/movie-reservation-system>

Live Demo: <https://cinemahub.tran-thien.id.vn>

Production Deployment Pipeline for MERN Application

DevOps Engineer

March 2026

- Provisioned and deployed containerized MERN application infrastructure on DigitalOcean using Terraform and Ansible.
- Built Dockerized frontend, backend, and database services with multi-stage builds and Docker Compose orchestration.
- Implemented CI/CD pipelines using GitHub Actions and Jenkins for automated build and deployment workflows.
- Configured monitoring and observability stack using Prometheus, Grafana, Node Exporter, and Alertmanager.
- Set up Nginx reverse proxy and automated HTTPS certificates using Let's Encrypt.
- Automated infrastructure provisioning and deployment workflows to reduce manual operational overhead.

Technologies: Docker, Terraform, Ansible, Jenkins, GitHub Actions, Prometheus, Grafana, Nginx, DigitalOcean

Repository: <https://github.com/thientr18/mern-todo-devops>

THEISISBOARD – Thesis Management Platform

Fullstack Developer

September 2025 - January 2026

- Developed a fullstack thesis management platform using React, Node.js, Express.js, and MySQL.
- Built responsive dashboards and project management interfaces for students and supervisors.
- Designed RESTful APIs and relational database schemas for thesis tracking workflows.
- Implemented authentication and role-based access control using Auth0.
- Structured the application using modular architecture principles for maintainability and scalability.

Technologies: React, Node.js, Express.js, MySQL, Auth0, TypeScript, Git

Repository: <https://github.com/thientr18/ThesisBoard>

Interests

Modern Web Application Development • AI-Assisted Development • Cloud Infrastructure & DevOps