

THANH DAT TRAN

P: 0478088838 | leotrn9xbiz@gmail.com | LinkedIn://leotran9x | Github://phantom037 | Portfolio://dlmocha.com

SKILLS

Languages: Java, Python, JavaScript, Groovy, SQL, Dart, SQL, Bashing

Frameworks: Spring Boot, Flask, NodeJS, Flutter

Database: MySQL, Redis, Neo4J, MongoDB

Tools: Docker, Kafka, AWS, Google Cloud Platform, Jenkins

WORK EXPERIENCE

P&Q Trading - Graduate Software Engineer Program

June 2024 - December 2024

- Built a **microservices architecture** with 4 APIs for the company platform using Spring Boot, including identity service, profile service, and notification service integrating multiple databases (MySQL, Neo4J, MongoDB) with centralized access managed through Spring Cloud Gateway.
- Established communication between downstream services using Openfeign, distributed messages to notification service via Kafka and deployed to Google Cloud Platform.

Infosys - Software Engineer Intern

January 2024 - April 2024

- **Led a full-stack team** of 3 interns to develop a robust application that generates subtitles in multi-languages from video, and integrates with the company product used by Infosys employees in Australia to **reduce the costs by 30%** from third-party service using Python, AWS, TensorFlow, React, and Hugging Face.

Nasdaq - Software Developer Intern

December 2022 - September 2023

- Created an end-to-end pipeline to automate testing, building, and deployment processes for the stock transaction alert system over different regions cutting manual effort by two hours every deployment and accelerating release cycles using Jenkins, Jira, Git, Maven, and EKS deployed on AWS.
- Collaborated in an Agile environment with **a team of 20+ members** to deliver a highly scalable Maven project for the Nasdaq Alert Retriever core to write and retrieve data from the trading market using Java, and JUnit.

GAOTek Inc - Software Engineer Intern

July 2022 - October 2022

- Developed OAuth2 and JWT-based authentication systems in Spring Boot, PostgreSQL, and Redis cache to enhance security, streamline user access, and optimize performance for a mobile app, successfully migrating from Firebase **resulting in a 25% reduction in response time** for API calls, from 200ms to 150ms.

Naau Technology - Software Developer Intern

April 2021 - January 2022

- Implemented architectures using Spring boot REST/CRUD and MySQL on the development of a full-stack application for sharing personal information via NFC and QR codes, and deployed on EC2.
- Engineered a product recommendation system by managing complex user datasets, implementing collaborative filtering with matrix multiplication in Python, and automated isolation testing with JUnit handling **7,000 user cases**.

PERSONAL PROJECTS

Umetalk [\[Link\]](#) | Java, NodeJS, Kafka, MySQL, Flutter, Firebase, Docker

- Engineered a cross-platform social media application using Java and Flutter used by **200+ users** with secure authentication, real-time messaging, and engaging newsfeed features with Firebase Cloud Messaging (FCM) and email notification systems for timely updates.

Banking Authentication System [\[Link\]](#) | Java, MySQL [\[Link\]](#)

- Built a scalable and efficient authentication and authorization system for a banking application, featuring JWT-based authentication via OAuth 2.0, role-based access control by custom JWT decoder in the filter chain, and CRUD operations for users, roles, and permissions with custom handling exceptions using Spring Boot.

EDUCATION

Monash University - Bachelor of Science in Computer Science

April 2024

De Anza College - Associate in Science

June 2021