

THANH DAT TRAN

P: 0478088838 | leotrn9xbiz@gmail.com | LinkedIn://leotrn9x | 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 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.
- Set up 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

- Developed a robust application that generates subtitles in multi-languages from video, and integrating with the company product used by over 200,000 users expected to reduce the costs by 30% from third-party service using **Python**, **AWS**, **TensorFlow**, **React**, and **Hugging Face**.

Nasdaq - Software Developer

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 hundred hours and accelerating release cycles using **Jenkins**, **Jira**, **Git**, **Maven**, and **EKS** deployed on **AWS**.
- Collaborated with the Alert team to deliver a highly scalable **Maven** project for the Nasdaq Alert Retriever core to write and retrieve data from the trading market using **Java**, **JUnit**.

GAOTek Inc - Software Engineer Intern

July 2022 - October 2022

- Implemented 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 and reducing backend costs by 60%.

Naau Technology - Software Developer Intern

April 2021 - January 2022

- Collaborated on the development of a full-stack application for sharing personal information via NFC and QR codes, utilizing **React**, **Spring Boot**, and **MySQL**, and deployed on **EC2**. Resolved frontend design bugs, ensuring proper data display across various screen sizes.
- Engineered a product recommendation system by managing complex user datasets and implementing collaborative filtering with matrix multiplication in **Python**. Automated isolation testing with **JUnit**, successfully handling 7,000 user cases.

PERSONAL PROJECTS

Umetalk

- Engineered a scalable cross-platform social media application in **Flutter** used by 200 users by enabling seamless messaging and real-time interactions with authentication service using **Firebase**, notification service with **NodeJS** and post service using **Spring Boot**.

Banking Authentication System

- 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 filter chain, and create, read, update, delete 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