

Truong Van Tuan

08/02/1995 — Java Developer
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EDUCATION

- **Java Web Backend** Techmaster Viet Nam
Java Core, Spring Framework, DevOps, Algorithm and Data structure Oct. 2020 – May. 2021
- **Java Programming, OOP** University of Helsinki
The online courses taught by the University of Helsinki 2021
- **Mechanical Engineering** Hanoi University of Science and Technology
School of Mechanical Engineering 2013 - 2018

EXPERIENCE

- **Network Device Monitoring - NGSC** Ha Noi, Viet Nam
Software Developer Jun 2024 - Oct 2024

Network Device Monitoring is a Spring WebFlux application that enables staff to manage network devices efficiently. It facilitates seamless configuration, deployment, and real-time monitoring of device statuses. Additionally, the application offers functionality for sending email notifications in relation to device working status. This application, built on the powerful Zabbix platform, is essential for effective network monitoring and operational excellence.

- **Zabbix Platform integration:**
 - Implement Zabbix Connector module to help connect to Zabbix API based on Webclient.
 - Develop a base service to facilitate interactions with the Zabbix API, ensuring proper request validation and authentication mechanisms are implemented.
- **R2DBC Repository implementation:**
 - Create a new Repository Interface using QueryDSL and Database Client to utilize Querydsl's features and improve Spring Data R2DBC's limitations with support for table joins, pagination, sorting and executing complex queries in a QueryDSL syntax style.
- **Business logics implementation:**
 - Implement the logic for deploying Network devices to Zabbix server.
 - Implement the batch processing for sync the device list from external service.
 - Develop a comprehensive Device Dashboard for real-time monitoring of status indicators such as CPU usage, network traffic, device health, and more.
- **Languages, Framework:** Java, Spring Boot, Spring WebFlux, Spring Batch, Spring Data, R2DBC, PostgreSQL.
- **Technology:** Zabbix Platform, Redis, MinIO, Debezium, Liquidbase, QueryDSL.
- **Software process framework:** Agile - Scrum.
- **Team size:** 20 members

- **Vietnam Airlines Booking Portal - NGSC** Ha Noi, Viet Nam
Software Engineer Sep 2023 - May 2024

The Vietnam Airlines booking portal serves as an efficient platform for travel agencies worldwide to effortlessly book airline tickets and access a range of additional services. Built on the Spring Framework, this microservice encompasses essential features such as Booking and Ticket Management, System and Agency Management, as well as Reporting and Dashboard functionalities.

- **Business logic implementation:**
 - Implement a System Management module that works as an Authentication and Authorization server. The module is also used for managing Agency accounts, like registering, updating, etc.
 - Implement a Report & Dashboard module that helps the Agency see Sale reports, Transaction and Summary of Settlement.
 - Implement the Amadeus Gateway module, the module helps interact with Amadeus Webservice (which provides software solutions for the global travel and tourism industry).
 - Implement the Notification module, the module for sending emails and SMS to the User on any Ticket/Service changes.
 - Implement UniTests for the above modules.

- **Languages, Framework:** Java, Spring Framework, Spring Cloud, Jmix Framework, PostgreSQL
- **Technology:** Kubernetes, Camunda (BPM Platform), Kafka, Redis, MinIO, Amamdeus Webservice, Debezium, Flyway
- **Software process framework:** Agile - Scrum
- **Team size:** 22 members

- **GlobalGig - CMC Global**

Texas, USA

Software Engineer

Feb 2023 - Sep 2023

DCR processing and Billing service: The services help process raw data from the Internet Provider and then calculate the pay amount based on many parameters like duration and data usage amount.

- **Source Code Upgrade:**
 - Working on 20-year-old source code that needs to be upgraded to Java version 17.
 - Refactoring the architecture for applying new technology such as Micro Services, Kafka and Hibernate.
 - Translate to English the source code implemented and commented on almost in French.
 - Implement UniTests that work as Test Cases to ensure that the new Refactored Code works correctly as Origin Source Code
- **DevOps:** Deploy all services to the server with the help of Docker.
- **Technology Stack:** Java Core, Spring Boot, UnitTest, Cucumber, MS SQL Server, Docker, Swagger, Apache
- **Team size:** 8 members

- **MSB - CMC Global**

Ha Noi, Viet Nam

Software Engineer

May 2022 - Feb 2023

Letter Credit: A contractual commitment by the foreign buyer's bank to pay once the exporter ships the goods and presents the required documentation

- **Implement API:** API development for Letter Credit issuance, modifying and approval operations.
- **Implement UnitTest:** Write UnitTest to get 80% code covering and make sure Services work correctly.
- **Design Database Structure:** Design and Implement table structure.
- **Design Camunda Model:** The Camunda Model is an abstraction layer, which helps to model the entire business logic, including implementation steps and assign which role of execution at steps. Decision Engine for deciding on a set of parameters.
- **Technology Stack:** Spring Boot, Spring Security, UnitTest, Camunda Platform, MySQL, Kafka, Swagger/OpenAPI.
- **Software process framework:** Agile - Scrum
- **Team size:** 9 members

- **InfoPro - CMC Global**

Malaysia

Team lead - Software Engineer

May 2021 - May 2022

Back Office application: End-to-end financial management.

- **Team lead:**
 - Led a team of 8 members to understand better a new Web Framework - Cuba Platform, a server-side rendering web framework.
 - Code review: Help members fix the code and follow the coding standards in general and the code conventions from the customer.
- **Business logic implementation:**
 - Management account: modify account information and other account parts like Currency, Linked Company and Subscribe Package.
 - Implement AuditLog that helps to track and save all activities of the Client
- **UnitTest implementation:** Modify the Mockito framework to add some new annotations that can parse the Test values from Excel files to Object
- **Technology stack:** Cuba Platform, Oracle Database.
- **Team size:** 8 members

PROJECTS

- **GG Admin:**
 - <https://github.com/truongvantuan/gg-admin>
 - Web admin used to operate and manage e-commerce sites: product, orders, marketing and user management
- **Personal Website:**
 - <https://github.com/truongvantuan/resume>
 - Interested in and using Linux, I write tutorials on Linux OS installation and configuration, as well as programming tools on it. I share what I learn as a blog post and translated articles (from English).

PROGRAMMING SKILLS

- **Programming languages:** Java.
- **Frameworks:** Spring Framework (Boot, Security, Data, Cloud), Jmix Framework (Cuba Platform), BPM Frameworks (Camunda Platform).
- **Test frameworks:** Junit, Mockito, Testcontainer.
- **Databases:** MySQL, PostgreSQL, Oracle Database.
- **Technologies:** Docker, Kubernetes, AWS, Kafka, Debezium, Redis, ElasticSearch.
- **Other:** Linux, Shell script (Bash), Postman, Dev tools, etc.