

LY PHUOC HIEP

Software Engineer

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SUMMARY

Software Engineer with 5+ years of experience building and modernizing enterprise systems across banking, procurement, and healthcare. Strong in Java (Spring Boot, Vert.x), relational databases (Oracle, MariaDB, PostgreSQL), and distributed systems (Redis, RabbitMQ).

Experienced in legacy migration, microservices development, performance optimization, and containerized deployment with Docker and Kubernetes.

SKILLS

Backend: Java, Spring Boot, Vert.x

Database: Oracle, MariaDB, PostgreSQL

Messaging & Cache: RabbitMQ, Redis

DevOps: Docker, Kubernetes

Testing: JUnit, Mockito

Report: JasperReports, Apache POI

EXPERIENCE

POSCO DX

IT Developer | January 2024 - Present

Working on modernization and development of enterprise internal systems, focusing on legacy migration and maintainable architecture design.

MarketingDX & PurchaseDX

Tech stack: Spring Boot, jQuery, IBSheet, IBChart, Oracle

- Migrating multiple Servlet-based systems to Spring Boot microservice architecture.
- Refactored business logic into service-based structure to improve modularity and maintainability.
- Implemented data access layer using JPA and MyBatis for Oracle integration.
- Modernized frontend components using jQuery, IBSheet, and IBChart.

Team size: 4

Indonesia POC - AI-Assisted Legacy Migration

Tech stack: JavaFX, Glue Framework, GitHub Copilot

- Analyzed legacy system built with Swing, Java 1.4, JDBC, JavaEE, and EJB.
- Migrated selected modules (Swing → JavaFX, Java 1.4 → Java 21, JDBC → Glue Framework) and redesigned the UI.
- Designed prompts to support AI-assisted code conversion using GitHub Copilot, reducing estimated migration effort by 60%.
- Evaluated feasibility of applying AI-driven migration to large legacy systems.

Team size: 10

CMC GLOBAL

Software Engineer | October – December 2023

Short-term contract onsite at Techcombank to develop banking APIs and testing tools in an Agile team.

CCash

Tech stack: Spring Boot, Oracle, JUnit, Mockito

- Developed an internal tool for QA team to simulate encrypted API requests.
- Updated and maintained APIs following database schema changes.
- Wrote unit tests using JUnit and Mockito, achieving over 95% test coverage.

Team size: 8

INTELIN

Backend Engineer | March 2021 – July 2023

Built and maintained backend systems for two product platforms, focusing on API design, system integration, and scalable architecture.

Giọt Máu Vàng – Blood Donation Platform

Tech stack: Vert.x, jOOQ, MariaDB, Redis, RabbitMQ, JasperReports

- Designed REST APIs for donor registration, appointment scheduling, and donation tracking, integrated with third-party hospital systems.
- Used JasperReports to generate donation reports and blood request forms per hospital.
- Maintained the system post-launch, provided operational support to hospitals, and resolved production issues.

Team size: 6

Mẹ Easy – Social Network Platform

Tech stack: Vert.x, jOOQ, MariaDB, Redis, RabbitMQ, Apache POI

- Joined from ideation to production, setting up project structure and coding standards.
- Built REST APIs for social features: posts, challenges, comments, and user feeds.
- Generated reports and data exports using Apache POI for business analytics.

Team size: 5

FPT SOFTWARE

Software Engineer Intern | September – December 2019

Tech stack: Vue.js (ElementUI), Spring Boot, PostgreSQL

Developed frontend pages with Vue.js and backend APIs with Spring Boot for a Japanese outsourcing project.

EDUCATION

FPT University | October 2017 – January 2021

Bachelor of Computer Science – Software Engineering

AWARDS

Staff of the Year

Intelin | January 2023

Recognized for outstanding performance and significant contributions to the organization