

# Huỳnh Lê Hữu Hưng

Java Developer

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Location: District 8, Ho Chi Minh City, Vietnam

## PROFESSIONAL SUMMARY

Java developer with **5+ years** building trading, accounting and payment platforms (incl. blockchain). Strong in **microservices**, delivering resilient, scalable distributed systems.

- **Architecture:** SOLID, Clean Architecture, Event Sourcing
- **Platforms:** authentication/authorization service, common libraries, Java agent for distributed tracing
- **Strengths:** solution architecture leadership, mentoring, agile delivery

Java 17

Spring Boot

Microservices

SOLID

Clean Architecture

Event Sourcing

PostgreSQL

Kafka

gRPC

Redis

Kubernetes

CI/CD

Elasticsearch

Prometheus

Blockchain

## TECHNICAL SKILLS

### Languages

Java 17+, C, SQL

### Architecture

SOLID, Clean Architecture, Event Sourcing, Microservices, Disruptor

### Cloud & DevOps

Kubernetes, GitLab CI/CD, Nexus

### Testing & Quality

JUnit, Mockito, SonarQube

### Frameworks & Tools

Spring, Netty, gRPC, Kafka, ActiveMQ, Redis

### Databases

PostgreSQL (clustering, performance), MySQL, Oracle, MongoDB

### Monitoring & Performance

Java Microbenchmark Harness (JMH), JDK Mission Control (JMC), Elasticsearch, Prometheus, Grafana

## WORK EXPERIENCE

### Senior Java Developer — NFTECH SOLUTION

04/2025 – 09/2025

- Designed and implemented **solution architecture** for ecosystem-wide financial services.
- Led **mentorship and training** of junior developers, raising team performance and code quality.
- Contributed to **system reliability and scalability** in distributed financial applications.

- **Common Libraries:**

- Built server using both **gRPC** and **Jetty** to handle internal and external requests, supporting distributed authentication and authorization with **JWT** and **Action-based authorization**, server-to-server authentication using HMAC / Digital signature.
- Implemented **distributed algorithms** with **Zookeeper**.
- Developed a **Java Agent monitoring tool** with ByteBuddy and OpenTelemetry, compatible with **Elastic APM** and **Datadog**.

- **Common Services:**

- Centralized configuration management and secured sensitive configs using **AWS Secret Manager**.
- Developed an **Authentication Platform** supporting authentication, session management, and **Action-based authorization**.
- Built a **Notification Platform** to send notifications via email, SMS, WebSocket, and SNS.
- Designed a **Database Cluster Service** for management and sharding of data across multiple PostgreSQL databases.
- Enhanced the **Financial Accounting System** with a simplified **Two-Phase Commit (2PC)** for distributed transactions, improving throughput and latency.

- **Projects:**

- **Payment Gateway System:** merchant management, wallet management, blockchain integration, and billing services.
- **Financial Ecosystem:** deposit and withdrawal via Payment Gateway, commission system for 500,000+ users, financial tools (trading, binary options, candle chart), and WebSocket Gateway for high traffic.
- **Sharding Database Cluster:** built native SQL protocol to support PostgreSQL cluster using C.

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**Intern, Java Developer — NFTECH SOLUTION**

07/2019 – 04/2020

- Supported testing, monitoring, and performance measurement of the **Financial Accounting System** using Prometheus, Elasticsearch, and Grafana.
- Assisted in building a **Payment Gateway System** integrated with popular blockchains (Bitcoin, Ethereum, Tron, Binance Smart Chain).

**EDUCATION**

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**Bachelor of Information Technology — Ho Chi Minh City University of Technology and Education (HCMUTE)**

06/2016 – 06/2020

**ADDITIONAL**

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**Soft Skills:** Teamwork, problem-solving, leadership, agile development

**Interests:** Trading, blockchain, finance, system design