



# Phan Huynh Phuc Khang

**Position applied: Software Developer / Full-Stack Developer**

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## Hoc van

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|-----------------------------|---------------------------------------|
| <b>FPT POLYTECHNIC</b>      | TP. Ho Chi Minh                       |
| Major: Software Development | 09/2023 - 09/2025                     |
| GPA:                        | 9/10                                  |
| Achievements:               | 3 Excellent semesters<br>url.td/QP0-H |

## Objective

### Objective

I hope to participate in development and support projects related to my major and skills. Improve technical skills, programming thinking, and *soh* skills through opportunities to contribute to the company.

### Future

Become a Full-Stack Developer capable of building complete web applications from backend systems to user interfaces. Continue advancing academic qualifications (pursue university bridging while working) and contribute to improving project efficiency and quality for the company.

## Experience

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| <b>Java Developer Collaborator</b>                                                                                                                                                                                                                                                          | Kien Long Bank | 03/2025 - Present |
| ◦ Participated in training and hands-on practice building a banking system using microservices architecture with Spring Boot.                                                                                                                                                               |                |                   |
| <i>Projects involved:</i>                                                                                                                                                                                                                                                                   |                |                   |
| ◦ <b>Project Training:</b> Simulated a simple e-commerce system with 3 services (Account, Order, Product).                                                                                                                                                                                  |                |                   |
| ◦ <b>Technologies:</b>                                                                                                                                                                                                                                                                      |                |                   |
| O Security: Spring Security, Keycloak, JWT, OAuth2.                                                                                                                                                                                                                                         |                |                   |
| O Communication: REST, gRPC, Kafka, Dubbo.                                                                                                                                                                                                                                                  |                |                   |
| ◦ Resilience: Resilience4j.                                                                                                                                                                                                                                                                 |                |                   |
| O WorMow: Temporal.                                                                                                                                                                                                                                                                         |                |                   |
| ◦ Observability & Monitoring: OpenTelemetry, Zipkin, Prometheus      Grafana, Logging.                                                                                                                                                                                                      |                |                   |
| ◦ Storage & Cache: AWS S3, Redis.                                                                                                                                                                                                                                                           |                |                   |
| ◦ Infrastructure & API Gateway: Docker, API Gateway, HashiCorp Vault.                                                                                                                                                                                                                       |                |                   |
| ◦ <b>Bank Account Management System:</b> Microservices-based banking system composed of small services: Account, Customer, Transaction, Loan, Notification — to improve scalability and maintainability.                                                                                    |                |                   |
| ◦ Technologies: Spring Boot 3.x, Spring Security (JWT, OAuth2), Angular, MySQL, Kafka, Dubbo, RestClient, API Gateway, HashiCorp Vault, Docker, Prometheus, Grafana, Resilience4j, Temporal workflow, Tracing (OpenTelemetry, Zipkin), Logging, AccessLog, Redis caching, Swagger API Docs. |                |                   |
| ◦ Responsibilities:                                                                                                                                                                                                                                                                         |                |                   |
| ◦ Loan Service: Implement features for loan application, approval/disbursement, create loan terms, process monthly loan installments.                                                                                                                                                       |                |                   |
| ◦ Notification Service: Listen for conditions and trigger notifications to customers.                                                                                                                                                                                                       |                |                   |
| <b>Graduation Project:</b> Online travel & hotel booking platform                                                                                                                                                                                                                           |                | 05/2025 - 09/2025 |

- Participated in building an airline booking platform with Spring Boot 3.x, focusing on booking flow, payment, automatic cancellation and refunds. Also responsible for full Admin flight management and Super Admin real-time monitoring features.

*Roles   ReSfiiOnSibilitieS:*

- **Flight Booking Platform:** Core flows: search flights, seat hold, payment, ticket issuance, auto-cancel when overdue and refunds per policy.
  - Technologies: Spring Boot, Spring Security (JWT/OAuth2), MySQL, Redis (cache), Kafka, REST + OpenAPI/Swagger, Docker, Logging, Vue.js, Tailwind CSS.
  - Features:
    - User Booking Flow: Implement search, select fare class, create booking, seat hold (TTL), ticket issuance after payment.
    - Seat Hold & Auto-cancel: Design TTL-based seat hold (Redis + scheduler/consumer) and auto-cancel when unpaid; ensure safe seat inventory release.
    - Payment & Refund: Integrate payment gateway, validate transactions, ticket issuance/refund.
    - Admin Flight: Build admin pages and APIs to manage full lifecycle of flights/pricing/fare classes/schedules and seat inventory.
    - Super Admin — Socket Dashboard: Realtime updates when order-related entities change.
    - Super Admin — Flight Management: Manage third-party flight providers.
    - Core Banking Service: Simulate payment processing and transaction storage.
    - Notification Service: Event capture, template configuration and sending emails/notifications according to business rules.

Personal Projects

Phong Vu Shop Clone

Assignment Java 5

01/2025

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03/2025

- **Technologies:** Frontend: Thymeleaf, Tailwind CSS, HTML, CSS, JavaScript; Backend: Spring Boot, Spring Bean, JPA Repository, Scheduled Tasks, Interceptor; Database: SQL Server
- **Features:** Authentication & authorization; Product management (create/edit/delete) & user accounts; Session-based shopping cart; Order placement; Automated order confirmation email with @Scheduled; Product sorting & categorization.

YouTube Clone Website

Assignment Java 4

11/2024

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12/2024

- **Technologies:** Frontend: JSP, HTML, CSS, JavaScript, Bootstrap; Backend: Java Servleti Database: SQL Server
- Features: Voice search for videosi Like, dislike, comments, subscriptions; Realtime live viewer count; Admin: traffic statistics, send notifications to active sessions.

Technology News Website (Phong Vu Clone)

Assignment Java 3

09/2024

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10/2024

- Technologies: Frontend: HTML, CSS, JavaScript; Backend: Java Servlet; Database: SQL Server
- Features: Dynamic article layout; Email subscription for notifications; Article lists by category and publish date; Related article suggestions; Keyword search.

Skills

**Programming** Languages: Java, SQL, HTML, CSS, JavaScript
 **Frameworks & Libraries:** Spring Boot / Spring MVC, Hibernate / JPA, Vue.js, Bootstrap, Tailwind CSS
 **Microservices, Messaging & RPC:** Kafka (event streaming), Dubbo RPC, gRPC, REST API (OpenAPI/Swagger), API Gateway (Spring Cloud Gateway / Kong)
 **Resilience & Observability:** Resilience4j, Temporal workflow, Tracing, Metrics, Monitoring, Logging
 **Security & Identity** Management: Spring Security (JWT, OAuth2), Keycloak, HashiCorp Vault (secret management)
 **Databases & Caching:** MySQL, SQL Server, Redis
 **Cloud & Storage:** AWS S3 (file storage / presigned URLs), Docker, Docker Compose
 **Tools:** Git, GitHub, CI/CD concepts, Postman, Draw.io, Figma, VS Code, Eclipse, NetBeans, MySQL Workbench
 **Other skills:** Basic testing, Agile, teamwork, problem solving, communication, self-learning