

# INTERN SOFTWARE ENGINEER

## HOANG TAN PHU QUOC

Gmail: hoangtanphuquoc@gmail.com  
Linkedin: Hoang Tan Phu Quoc

### Summary

---

Third-year computer science student with a passion for programming, particularly in Java and AI. Committed to developing technical skills and applying knowledge to software projects. Seeking an Intern Java Developer position to contribute to innovative solutions and advance expertise in software development.

### Education

---

**VKU - Vietnam-Korea University of Information and Communication Technology**, B.S. in Computer Science Sep 2022 – Sep 2026

- GPA: 3.7/4.0 (Top 5% of Department).
- **Relevant Coursework:** Object-Oriented Programming, Design Patterns, Software Engineering, Database Systems, Data Structures and Algorithms, ...

### Technical Skills

---

- **Programming:** Java, Spring Boot, Spring Data JPA, Spring Security, Spring Cloud (Gateway, Bus), JUnit.
- **Database:** MySQL, PostgreSQL, MongoDB, Neo4j, Hibernate (ORM).
- **Web Technologies:** RESTful APIs, Microservices, Security, WebSocket.
- **Tools & DevOps:** Git, Maven, Gradle, Postman, Docker, Jenkins, Vim, Tmux, AWS (EC2, S3, ECS, CRS, CloudFront, ...).

### Experience

---

**System Administrator – Part-Time**, Pacific Links Foundation – Danang April 2024 – Now.

- Developed tools to enhance data processing and analysis efficiency.
- Identified and resolved performance bugs to improve system reliability.
- Maintained the Learning Management System (LMS) to ensure smooth and uninterrupted operation.

**Teaching Assistant**, VKU – Danang Sep 2023 – Aug 2024

- Instructed 50+ first-year students in Java programming, covering OOP, File I/O, Concurrency, and TCP/IP networking, improving student comprehension by 30% based on course feedback.
- Guided 15+ student groups in selecting and developing Java-based projects, providing technical support in debugging, code optimization, and use of tools like IntelliJ IDEA and Git.
- Evaluated and graded 15+ projects, delivering detailed feedback to enhance code quality and project outcomes.

**Head of VIC club**, VKU – Danang Sep 2023 – Dec 2024.

- Led a team of 35+ members to organize 5+ coding workshops, tech talks, increasing club membership by 40% within one year.
- Developed a strategic vision for the club, fostering a collaborative environment that enhanced members' skills in Python, Java, C++, DSA, and Git ...
- Mentored 3 teams in BWD (Best Web Design) Competition, resulting in 2 team awards at the final round.

### Projects

---

**LinkedHub: Networking Platform**, Personal Project, (Github Link) April 2025 – Now

**Technologies:** Java, Spring Boot, Microservices, RESTful API, Domain-Driven Design, PostgreSQL, MongoDB, Neo4j, Kafka, Docker, JWT Authentication, Clean Architecture, API Gateway, Monitoring & Logging.

- Developed a scalable networking platform inspired by LinkedIn, architected with microservices using Domain-Driven Design (DDD) and Clean Architecture principles.
- Designed and implemented a robust authentication system featuring JWT access tokens, refresh tokens, and token revocation for enhanced security.

- Engineered a connection service utilizing Neo4j graph database, enabling efficient modeling and querying of complex user relationships.
- Built a reactive API Gateway to efficiently route and handle concurrent requests across distributed microservices.
- Integrated Kafka as a message broker to facilitate asynchronous communication and improve system scalability.
- Containerized services with Docker, streamlining deployment and ensuring environment consistency.
- Established a centralized configuration management system using Spring Cloud Config, consolidating all configuration settings for seamless updates and operational efficiency.

**PQBank: ATM Management Application**, Personal Project, (Github Link) Mar 2023 – May 2023

- Developed a JavaFX desktop application for ATM management, enabling admin and client roles with features like account creation, fund transfers, and transaction tracking .
- Designed user interfaces using JavaFX and Scene Builder, implementing MVC and Singleton patterns to ensure modular and scalable code.
- Utilized IntelliJ IDEA for development and Git for version control, delivering a fully functional demo with comprehensive documentation.

**Awards**

---

<b>Consolation Prize</b> , AI Challenge, VKU	Feb 2025
<b>First Prize</b> , University-Level Research Topic (AI Topic), VKU	Apr 2024
<b>Consolation Prize</b> , Best Web Design (BWD), VKU	Sep 2023
<b>Consolation Prize</b> , English Talent Competition (ETC), VKU	Sep 2023

**Certifications**

---

<b>Neo4j 4.0 Certified Professional</b> , Neo4j Organization
--