

VÕ THANH DUY

Senior Web Developer

- 0382763906
- duyvt7@gmail.com
- 20/04/1998
- Vuon Lai Ward, TP Hồ Chí Minh
- oscarvo.dev

EDUCATION

Ho Chi Minh University of Technology (HUTECH)

09/2016 - 01/2020
Bachelor - Software Technology

SKILL

Core skills

Back End 7 years	Java 7 years
Spring Boot 6 years	Front End 5 years
Github 5 years	Database 4 years
Jenkins 4 years	React JS 4 years
Spring Security 4 years	Docker 3 years
MySQL 3 years	PostgreSQL 3 years
VueJS 3 years	Github Copilot 2 years
Kafka 2 years	Kubernetes 2 years
Redis 2 years	Oracle 1 year
Angular 2 < 1 year	Playwright < 1 year

Professional Summary

I am a **Senior Software Engineer** based in Ho Chi Minh City with **7 years of professional experience** in full-stack development and software architecture, currently working at FPT Software. I specialize in building robust, high-performance applications and secure architectures, with an established focus on financial and automated trading systems.



Key Technical Skills

- Backend Ecosystem:** Java 8, Java 11, Java 21, Spring Boot, Spring Security, JWT, Maven, Gradle,...
- Frontend Development:** Next.js, Vue.js, React.js, JQuery, JavaScript, TypeScript.
- Database & Tools:** PostgreSQL, MySQL, Git, CI/CD pipelines, and digital optimization tools.
- Advanced Architectures:** High-availability microservices, concurrent locking mechanisms (Pessimistic/Optimistic), API idempotency, and the integration/optimization of AI-driven workflows.
- AI & Automation Integration:** Prompt engineering, integration of AI-driven workflows, and leveraging Large Language Models (LLMs) to optimize development cycles and application features.

Core Strengths

- Security & Data Integrity First:** A meticulous approach to system design, ensuring tight authentication, payload encryption, and concurrency control to safeguard sensitive financial workflows.
- Full-Stack & Intelligent Automation Versatility:** The ability to seamlessly bridge deep backend architecture with modern frontend dashboards and cutting-edge AI integrations to drive business automation.
- Discipline under Pressure:** Highly resilient and detail-oriented when managing complex technical challenges, a trait reinforced by professional corporate environments and dedicated civil defense service.

WORK EXPERIENCE

09/2024 - Now

Senior Web Developer I FPT Software Ho Chi Minh

Key Responsibilities & Achievements

- Architecture & Clean Code:** Architected and developed a modular backend system using **Domain-Driven Design (DDD)** to isolate retail business logic, significantly reducing system coupling and improving service scalability.
- Process Automation:** Built a custom automated validation suite using advanced VBA scripts to streamline log cross-referencing, cutting manual

FOREIGN LANGUAGE

English
Advanced

CERTIFICATE

Microsoft Certified: SQL AI Developer Associate

07/2026

Microsoft

View certificate

- Design and develop database solutions
- Secure, optimize, and deploy database solutions
- Implement AI capabilities in SQL solutions

Github Copilot

05/2026

Microsoft

View certificate

- Use GitHub Copilot responsibly
- Use GitHub Copilot features
- GitHub Copilot features
- Understand GitHub Copilot data and architecture
- Apply prompt engineering and context crafting
- Improve developer productivity with GitHub Copilot
- Configure privacy, content exclusions, and safeguards

Associate Web Developer

02/2020

Outsystem

- **Client vs. Server Logic:** Understanding what code runs in the browser versus what executes on the server database.
- **Entities & Data Types:** Creating local or server-side database tables (Entities), defining attributes, and setting data types.
- **Data Relationships:** Implementing Reference Attributes to build 1-to-Many or

auditing time by **50%** and ensuring **100% data integrity** prior to system migration.

- **Srum & Agile Leadership & Requirements:** Spearheaded agile task management on Jira; proficiently broke down complex features into actionable Epics and User Stories using **Gherkin syntax (Given-When-Then)** for precise Acceptance Criteria.
- **Quality Assurance:** Established a comprehensive UI testing infrastructure using **Playwright** for End-to-End (E2E), Visual Regression, Component, and Cross-browser testing.
- **Team Collaboration:** Partnered with cross-functional team members to successfully process, integrate, and render complex enterprise datasets into highly customized Excel report templates.
- **AI-Driven Productivity:** Maximized delivery velocity and optimized code performance by integrating AI-assisted workflows (GitHub Copilot, Microsoft Copilot, PrivateGPT) into daily development tasks.

PROJECT:

- **Project Name:** [FR] - Comprehensive Retail Enterprise & Report Package System
- **Role:** Senior Software Engineer
- **Team Size:** 12 members
- **Duration:** 1 year 8 months
- **Technologies Used:** Java 11, Java 17, Spring Boot, Spring Batch, Spring Framework, ReactJS, Oracle Database, VBA, Docker, Ubuntu, Playwright, VRF Framework, PrivateGPT, GitHub Copilot, Microsoft Copilot.
- **Description:** Developed a comprehensive, high-performance web application tailored specifically for the retail industry with a primary focus on an advanced reporting engine. Responsibilities included converting complex project documentation into robust code, driving technical discussions to update business-critical logic, and optimizing code performance through modular detachment. Successfully led the task estimation and sprint planning processes to ensure high-performance execution and timely delivery of complex reporting features.

06/2024 - 09/2024

Senior Web Developer I FPT Software Ho Chi Minh

Key Responsibilities & Achievements

- **Technical Execution:** Translated complex financial project documentation and business requirements into highly secure, stable, and maintainable enterprise source code.
- **Agile Management & Estimation:** Managed and planned development tasks effectively, providing accurate sprint time estimations to ensure high-performance execution and on-time milestone delivery.
- **Process Optimization:** Contributed to technical architecture discussions and introduced innovative process improvements to optimize the team's development lifecycle and delivery velocity.
- **System Customization:** Collaborated closely with stakeholders to

Many-to-Many relationships, and setting delete rules (*Protect, Delete, Ignore*).

- **Aggregates:** OutSystems' visual query builder. You will be tested on filtering, sorting, joining multiple entities (Sources), and grouping data.
- **Data Fetching Options:** Fetching data "At start" vs. "Only on-demand" to optimize page loading performance.

AWARD

Top 20 AI Knowledge Base Development & LLM Data Indexing

11/2025

FPT Software Ho Chi Minh

SECOND PRIZED - INTERNAL FOOTBALL CHAMPION 2022

02/2022

CODE88

SECOND PRIZED - INTERNAL FOOTBALL CHAMPION 2020

12/2020

FPT Software Ho Chi Minh

propose and implement functional solutions, updating business-critical components based on technical feedback.

PROJECT:

- **Project Name:** [GPS] - (Thai Bank Comprehensive Core Web Application)
- **Role:** Senior Software Engineer
- **Team Size:** 16 members
- **Duration:** 3 months
- **Technologies Used:** Java 8, Spring MVC, Servlet, Oracle Database, H2 Console, ZK Framework, Spring Batch, Message Queues (MQ).
- **Description:** Developed a comprehensive, highly secure enterprise web application tailored specifically to meet the unique operational requirements and regulatory workflows of Thai Bank. Built upon a robust legacy framework, the project involved developing batch processing modules via Spring Batch for large-scale data handling and implementing asynchronous messaging using Message Queues to ensure decoupled, high-efficiency backend communication. Responsibilities included optimizing database queries on Oracle DB, utilizing H2 Console for rapid local testing, and designing dynamic enterprise user interfaces using the ZK Framework.

07/2022 - 06/2024

Senior Web Developer I Mediastep Software

Key Responsibilities & Achievements

- **Cross-Platform Integration:** Engineered seamless integration pipelines with major third-party marketplaces (TikTok, Lazada, Shopee), social commerce platforms (Facebook), and various top-tier delivery providers in Vietnam to centralize sales and logistics operations.
- **Data Architecture & Migration:** Developed high-performance data migration and synchronization workflows between **PostgreSQL** relational schemas and **Elasticsearch**, enabling real-time, high-speed search capabilities and ensuring zero-downtime service upgrades.
- **System Maintenance & Evolution:** Ensured high availability and system reliability by refactoring legacy codebases while concurrently implementing advanced features to expand the platform's core capabilities.
- **Agile Collaboration & CI/CD:** Actively collaborated within a **Scrum** framework, participating in daily standups to unblock technical issues, and drove a continuous delivery pipeline with daily testing deployments and stable customer releases every 2 to 3 months.

PROJECT:

- **Project Name:** [GOSELL] - Omnichannel E-Commerce & Cross-Border Logistics Management Platform
- **Role:** Senior Software Engineer
- **Team Size:** > 60 members
- **Duration:** 1 year 11 months
- **Technologies Used:** Java 8, Java 11, Spring Boot, Spring Security, Spring

Data JPA, Thymeleaf, ReactJS, Kafka Message Queues, PostgreSQL, Elasticsearch, Data Migration, Data Integration, Linux, Docker, Git.

- **Description:** Designed and scaled a robust, multi-tenant management web application that streamlines end-to-end operations for domestic and cross-border e-commerce merchants. Built a distributed architecture leveraging **Kafka Message Queues** for decoupled event-driven communication and asynchronous transaction handling. Secured backend services using **Spring Security** and optimized data persistence with **Spring Data JPA**. The system empowers owners to maximize sales velocity, manage complex multi-channel inventory, and automate localized shipping workflows seamlessly.

08/2020 - 07/2022

Middle Java Web Developer | CODE88

Key Responsibilities & Achievements

- **Transaction Engine & Rule Configuration:** Managed high-volume daily financial transactions and engineered dynamic server-side validation rule engines to verify transaction legitimacy, detect fraud patterns, and authenticate credit/debit card credentials.
- **Security & Compliance Implementation:** Applied robust security protocols using **Spring Security** and secure **RESTful APIs** to isolate financial data pipelines, manage access controls, and protect sensitive transaction payloads.
- **System Stability & Feature Evolution:** Sustained a high-availability production environment by debugging and refactoring legacy codebases while seamlessly adding next-generation features to scale the gateway's throughput.
- **Agile Integration & Deployments:** Contributed actively within a structured **Scrum** team, participating in bi-weekly alignment meetings to scope incoming features and unblock technical issues, while driving daily test deployments to maintain continuous delivery.

PROJECT:

- **Project Name:** [PINPAY] - Payment Gateway & Transaction Validation Platform
- **Role:** Middle Software Engineer
- **Team Size:** 15 members
- **Duration:** 1 year 11 months
- **Technologies Used:** Java 8, Java 11, Spring Boot, Spring Security, RESTful APIs, JDBC, MySQL, SVN, ReactJS, Thymeleaf, HTML, CSS, JavaScript, jQuery.
- **Description:** Developed and scaled a core financial payment platform tasked with orchestrating seamless end-to-end digital transactions. Architected microservices and database communication layers using **Spring Boot** and raw **JDBC** optimization for fast, transactional read/writes on **MySQL**. Developed a dual-layered frontend, using **ReactJS** for modern high-performance administrative dashboards and **Thymeleaf/jQuery** for legacy system integrations. Maintained precise version control utilizing

02/2020 - 07/2020

Junior Web Developer I FPT Software Ho Chi Minh

Key Responsibilities & Achievements

- **Cross-Functional API Engineering:** Translated complex cross-border financial requirements into highly secure, stable backend APIs, ensuring strict compliance with enterprise banking standards.
- **Full-Stack UI Integration:** End-to-end integrated robust backend RESTful APIs with corporate web applications utilizing the **Angular** framework to deliver a cohesive and high-performance user experience.
- **Requirements Clarification:** Partnered closely with business analysts and client-side technical stakeholders to clarify ambiguous financial specifications and define explicit API contracts.
- **Technical Mentorship & Collaboration:** Spearheaded technical support for internal team members to successfully navigate, interface with, and unblock integration challenges on the client's proprietary legacy backend systems.

PROJECT:

- **Project Name:** [KPGateway2] - Next-Gen Commercial Banking API Gateway & Client Portal
- **Role:** Junior Software Engineer / Full-Stack Integration Developer
- **Team Size:** 5 members
- **Duration:** 5 months
- **Technologies Used:** Java 8, Spring Framework, RESTful APIs, MySQL Database, Angular 8, Jenkins, Terraform, Git.
- **Description:** Developed and deployed tailored enterprise banking APIs to optimize service interoperability for a major Thai Bank. Engineered high-availability backend microservices using the **Spring Framework** and optimized transaction data modeling within **MySQL**. Modernized the digital front-end by designing modular components in **Angular 8**. Managed continuous integration pipelines through **Jenkins** and orchestrated cloud infrastructure provisioning blueprints via **Terraform** to support secure, automated banking environments.

05/2019 - 01/2020

Associate & Junior Web Developer I FPT Software Ho Chi Minh

Key Responsibilities & Achievements

- **End-to-End Feature Ownership:** Spearheaded the full-stack delivery of internal modules, driving the lifecycle from initial requirement clarification and API architecture down to method implementation.
- **UI/UX Design & Frontend Development:** Designed and implemented intuitive, high-performance user interfaces utilizing **VueJS** to optimize daily operational workflows for store managers and warehouse staff.
- **Technical Documentation:** Authored comprehensive Coding Documents (CD) to map out complex retail logic, ensuring strict business alignment, seamless knowledge transfer, and maintainable codebases.

- **Quality Assurance:** Conducted rigorous Unit Testing for all newly engineered features and functional updates to catch regression defects early and ensure high-quality software releases.

PROJECT:

- **Project Name:** [SENMONTEN] - Centralized Retail ERP & Supply Chain Management Platform
- **Role:** Junior Software Engineer
- **Team Size:** > 20 members
- **Duration:** 8 months
- **Technologies Used:** Java 11, Spring Boot, MyBatis, VueJS, RESTful APIs, PostgreSQL, Jenkins, SVN, Spring MVC, Hibernate, Angular 6, MySQL Database, Git.
- **Description:** Developed a comprehensive internal web application designed to centralize and automate core operations for a Japanese cosmetics retailer. Built highly optimized backend services using **Spring Boot** and leveraged **MyBatis** for precise data mapping and complex query execution on a **PostgreSQL** database. Engineered scalable **RESTful APIs** to seamlessly connect the data layers with a dynamic **VueJS** frontend, managing everything from inventory, product profiling, and customer data to warehouse logistics and automated quotation generation. Version control was managed via **SVN** with automated testing pipelines driven by **Jenkins**.

HIGHLIGHT PROJECT

09/2024 - Now

FR - Fast Retailing

Developed a comprehensive web application tailored specifically for Retailing business domain (focus on Report package).

06/2024 - 09/2024

GPS

Developed a comprehensive web application tailored specifically for Thai Bank, ensuring it meets their unique requirements and enhances their operational efficiency

07/2022 - 06/2024

GOSELL

- Build an E-commerce Platform. Helping owner can be a best seller in a short-time. Export to outside country and import their product with a Management Web Application.
- Product is designed for seamless integration with numerous third-party platforms such as TikTok, Lazada, Shopee, Facebook, and various delivery providers in Vietnam. This enables business owners to manage their sales and delivery processes more efficiently.

08/2020 - 07/2022

PINPAY

Developed and maintained a high-throughput Java 21 payment platform for Petting Game, implementing a dynamic validation engine for real-time transaction rules and bank card verification.

02/2020 - 07/2020

KPGateway2

We built APIs for a Thai Bank base on requirement. Integrate APIs to UI by Angular framework when needed or required/ suggested.

05/2019 - 01/2020

SENMONTEN

We built an internal web application to manage products, customer, quotation, warehouse, ... for a Japan cosmetic store.