

Ho Chi Minh City, Viet Nam
[Nam Thang | LinkedIn](#)

Nam Thang

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I am a Java software engineer especially interested in building tools that address essential needs, scaling systems up, and writing blogs. With many years of hands-on experience in Java Backend, I bring a wealth of expertise in crafting robust and efficient solutions. My journey includes extensive work with Spring Boot and microservices architecture, where I have honed my skills in Object-Oriented Programming (OOP) and designed scalable systems.

My proficiency extends to system testing and deployment strategies, ensuring the delivery of high-quality software. Passionate about technology and innovation, I thrive in dynamic environments, contributing to the creation of reliable and cutting-edge applications.

Work Experience

Backend Engineer Merchant Acquiring Team	National Australia Bank Ho Chi Minh City, Viet Nam	Sep 2022 - Present
<ul style="list-style-type: none">Develop a new approach to onboard merchants more quickly and safely. A new strategy will be the centralized source of record merchant information within bank. It will hold a trusted copy of all data related to merchantProvide robust coding practices, solid unit/component test coverage and debugging code- work with delivery teams to achieve success through development using CI/CD and DevOps practices, processes, and toolingPractical experience as Java Engineer, AWS in a complex, enterprise-level development environmentParticipate in Agile software development, prototyping, and code review with international development teams to build scalable microservices-based products and APIs using Java technologies on AWS cloud architecture		
Senior Software Engineer Checkout and Payment Team	Tiki Ho Chi Minh City, Viet Nam	May 2022 - Sep 2022
<ul style="list-style-type: none">Hands-on experience in building high-performance, fault-tolerant and maintainable APIs using Java EE platforms with Spring Boot framework that streamlines the ordering process for millions of usersMaintain and improve quality many payment gateways: ZaloPay, MoMo, ViettelPay, Moca, etcDesign and implement a system and feature to support the checkout and order lifecycle across high volume transactions periodsHave experience in large-scale, distributed systems with complex database models and promotion logicHave experience in tuning performance and identifying potential bottlenecks in a microservice architecture experience and increasing peak orders per second 10x and re-architecting our checkout system for maximum independence		
Senior Software Engineer Merchant Team	VNG – ZaloPay Ho Chi Minh City, Viet Nam	Sep 2018 – May 2022
<ul style="list-style-type: none">Ensure and improve the performance, latency, throughput and stability of all Telco systemIntegrate and maintain many telephone gateways: Mobifone, Viettel, Vinaphone, XpayMainly focus on design and implementing system for scalability, testability, supportability and maintainability at top ZaloPay's product: TelcoMain design architecture Telco Flash Sale system: Build and solve product's price change exactly, guarantee the special quantity at hot deals and consistency of quantity, price between other systemsFocuses on implementing an automatic debit mechanism for customers' accounts, ensuring seamless and hassle-free payments for their telco services. Build auto payment core management to Telco Merchant integration		

- Participation in soft skills training courses, in-depth training on specialized knowledge as well as new technology introduction sessions at the company

Technologies and Languages

- Languages: Java, Go
- Infrastructure: Docker, CI/CD Jenkins, Harness
- Databases: MySQL, Postgres, Cassandra
- Technologies: AWS, Git, Kafka, Avro Schema, Vault, Testing E2E, Gradle, Splunk, Redis, Hazelcast, ActiveMQ
- Other: Prometheus, Grafana, Git, IntelliJ, Jaeger, Kubernetes

Education and Certifications

- HCMUS UNIVERSITY 2015 – 2019
- Degree: Bachelors of Computer Software Engineering
- AWS Cloud Practitioner
- AWS Solution Architect – Associate Level

Projects

- **Telco Flash Sale system** - this system introduces a cutting-edge platform that enables telecom companies to organize and execute flash sales events seamlessly. It is equipped with features to manage inventory, set promotional pricing, and engage customers effectively
- **Auto Payment** - It aims to enhance user convenience, improve billing accuracy, and provide a reliable solution for telecommunications companies to manage and collect payments efficiently. With a robust backend infrastructure and secure payment processing, this project contributes to a more efficient and customer-friendly billing experience
- **Payment Promotion** - It is designed to enhance the user experience and incentivize digital transactions by introducing special promotions and discounts within the payment ecosystem
- **Vietlott Prediction** - It is my personal project. It is designed for those who would like to purchase lottery tickets with many options provided by this system (the most frequent digits, the least frequent digits, etc)
- **Ticket Hunting** - This project helps me secure tickets faster. By understanding the structure and properties of the TicketBox, I have built a system that waits and provides the earliest link as soon as tickets become available, instead of having to click a button. The result is that I managed to get tickets for Westlife and Blackpink show

Other Sections

- **Blogs:** I usually spend time writing the blog because I would like to spread my knowledge for everything and also consolidate my knowledge. I used to write the blog for a programming training center, which received a good number of views.
 - [OpenTelemetry: Công cụ giám sát và tối ưu hóa ứng dụng \(200lab.io\)](#)
 - [JPA là gì? Giới thiệu về Java Persistence \(200lab.io\)](#)
 - [Collections là gì? Tổng quan về Collections trong Java \(200lab.io\)](#)
 - Besides, I also have built my person blogs [Nam Thang \(thangvynam.com\)](#)
- **Courses:** I also learn some courses via Udemy
 - Multithreading, Concurrency & Parallel programming in Java – Michael Pogrebinsky
 - Ultimate AWS Certified Cloud Practitioner – Stephane Maarek
 - Ultimate AWS Certified Solution Architect Associate – Stephane Maarek
 - CKAD Certified Kubernetes Application Developer - Mumshad Mannambeth