Nguyen Tuan Trung

Backend Developer (PHP / Java)

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📍 Ha Noi, Vietnam

Summary

Backend Developer with 5+ years of experience in PHP/Laravel and 1 year in Java/Spring Boot. Strong in microservices, high-traffic APIs, database design, caching, and scalable system architecture. Experienced in SIM/data package platforms, insurance platforms, and enterprise systems. Currently expanding expertise into DevOps and AWS Cloud Architecture, focusing on CI/CD, IaC, Docker/Kubernetes, and distributed cloud-native systems.

CustomSections

Career Goals

Career objective includes transitioning into DevOps, AWS Solution Architect, and long-term roles such as Tech Lead and Engineering Manager. Focusing on CI/CD, IaC, Kubernetes, system design, scalable architectures, team leadership, and end-to-end delivery ownership.

Work

01/2025 – 06/2025
Ha Noi

Backend Developer
AGV
Project: AIRU WorldSIM (telecom platform for mobile data packages, SIM lifecycle management, secure online payments). Team size: 10. Stack: Laravel 12, MySQL, Redis, Queue, Docker.
Developed backend modules for mobile data purchase, SIM information, and account management.
Implemented APIs for SIM lookup, data package ordering, and transaction processing.
Integrated third-party payment provider for secure online transactions.
Designed scalable database structures for high-volume SIM and transaction records.
Implemented service-layer architecture for maintainable backend modules.
Improved overall API performance and stability across business-critical workflows.
Built monitoring dashboards for transaction status, SIM activity, and system health.
Enhanced error handling and retry mechanisms improving transaction reliability.
Collaborated with product and QA teams to refine requirements and ensure release quality.

02/2024 – 06/2025
Ha Noi

Backend Developer
AGV
Project: Hismobie (SIM/eSIM development and commerce system). Team size : 8
Stack: PHP 8, Laravel, MySQL, Redis, Queue, Docker, GitLab.
Developed backend for SIM/eSIM purchase and management platform.
Built APIs for users, SIM, plans, orders, and transactions.
Optimized MySQL queries and caching strategy to reduce latency.
Designed database structures for SIM provisioning, plans, and payment flows.
Integrated WordPress frontend with backend through custom API gateway.

Implemented data validation and consistency checks across order lifecycle.
Worked closely with cross-functional teams for SIM provisioning and device management.

10/2023 – 12/2023 Ha Noi	**Backend Developer** *AGV* Project: Remote (test-kit e-commerce website). Team size: 3. Developed key e-commerce features using custom PHP and WordPress. Improved website performance using optimized queries and caching. Enhanced SEO and site structure for better customer reach. Implemented cart, checkout, and order confirmation workflows. Worked on UI/UX refinements improving user experience.
01/2023 – 12/2023 Ha Noi	**Java Backend Developer** *TechNova Solutions* Project: Customer Engagement Platform (CEP). Stack: Java 17, Spring Boot, Redis, Kafka, MongoDB, Docker, CI/CD, Microservices. Developed backend microservices for customer activity tracking and notification workflows. Designed REST APIs for authentication, user profiles, and engagement event handling. Implemented JWT authentication and role-based access control. Used Redis caching to improve system throughput and reduce database load. Integrated Kafka for asynchronous event streaming and processing pipelines. Designed MongoDB collections, indexes, and optimized aggregation queries. Deployed microservices using Docker and maintained automated CI/CD pipelines. Implemented rate-limiting and throttling for high-frequency event traffic. Designed resilient inter-service communication patterns for high availability. Collaborated with frontend team and contributed to technical design & code reviews.
02/2021 – 10/2023 Ha Noi	**Team Lead / Backend Developer** *Medici* Project: Portal medici (insurance multi-level sales platform). Stack: Laravel, MySQL, Redis, Firebase, Queue. Lead backend teams of 3 members during different project phases, including planning, task assignment, and code review. Designed database schemas and business rules for multi-level insurance distribution. Developed APIs for contracts, commissions, policies, tree structures, and agents. Supported backend operations for mobile apps with over 100,000 users. Implemented reporting dashboards for contract insights and agent performance. Designed RBAC permission structures supporting multi-role enterprise users. Collaborated with business stakeholders to translate requirements into solutions. Optimized commission calculation flows for large agent networks.
01/2020 – 01/2021 Ha Noi	**.NET Developer** *Toyo System & Nikkoku Vietnam* Projects: Maxcell (Warehouse Management System), Katsuta (Car Sales System). Stack: VB.NET, SQL Server. Migrated legacy VB6 systems to VB.NET improving maintainability and stability. Developed modules for inventory control, sales operations, and internal reporting. Improved SQL Server performance through stored procedure optimization. Implemented data synchronization to ensure consistency across departments.

06/2019 – 12/2019	**PHP Developer**
Ha Noi	*FPT Polytechnic*
	Project: Dustscan. Team size: 3
	Built realtime dust density monitoring system using Firebase.
	Developed environmental analytics charts for temperature, humidity, and air quality.
	Optimized realtime updates for stable sensor data visualization.
	Collaborated with hardware team ensuring accurate sensor calibration.
01/2019 – 06/2019	**PHP Developer**
Ha Noi	*Mistore*
	Developed online purchasing features including product browsing and checkout.
	Implemented stock and order management modules.
	Improved UX through simplified flow and optimized page structure.
	Maintained authentication and user account functionalities.

Skills

Backend Development
PHP
Laravel
Java
Spring Boot
REST API
Microservices
OOP

Tools & Technologies
Redis
Docker
Kafka
Git
GitLab CI/CD
Firebase
WordPress

Database
MySQL
MongoDB
PostgreSQL
SQL Server
Schema Design
Query Optimization

Other Skills
System Deployment
Requirement Analysis
Team Leadership
Performance Optimization

Education

12/2017 – 12/2019	**Software Development**
	FPT Polytechnic
	College Program
09/2012 – 01/2017	**Construction engineer**
Ha Noi	*University of Transport*

Awards

01/08/2019	**Finalist - FPT Hackathon 2019**
	FPT Education
01/07/2019	**Third Runner-up - Research Festival 2019**
	FPT Education