

Nguyễn Hoàng Duy

Senior Developer

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PROFILE

Experienced Software Developer specializing in end-to-end system development, including design, development, testing, and maintenance. Equipped with a diverse technical skill set and mastery of multiple programming languages, combined with deep expertise in industry-standard tools and engineering best practices. Excels at autonomous problem-solving and cross-functional team collaboration.

EDUCATION

HUTECH University of Technology 2016 - 2020

Major: Software Engineering

WORK EXPERIENCE

Viet Vang Standard Management Solutions and Consulting Joint Stock Company 06/2022 - 06/2025

Team Leader

Technical Development & Infrastructure

- Developed and maintained existing in-house applications to ensure stability and performance.
- Designed system architecture and databases based on business requirements.
- Set up and managed development, staging, and production environments.
- Deployed applications to servers and handled release processes.
- Designed and implemented automated backup procedures for server-hosted applications.

Team Leadership, Code Quality & Mentorship

- Planned and delegated development tasks across the team. Led the team through project implementation to ensure on-time delivery.
- Conducted thorough code reviews to ensure maintainability, security, and adherence to best practices.
- Performed team performance evaluations and implemented continuous improvement strategies.
- Provided technical mentorship to junior and fresher developers, supporting their growth and integration into the team.

Client Collaboration & Strategic Communication

- Communicated with clients and gathered requirements through collaboration with the BrSE (Bridge System Engineer).
- Translated business needs into functional specifications and technical solutions.
- Acted as a technical advisor, presenting key findings and strategic solutions to senior management while bridging communication between business and engineering teams.

DOCTOR CHECK EVIDENCE BASED MEDICINE POLYCLINIC JSC 04-2022 - 06-2022

PHP Developer

- Developed and maintained existing in-house applications to ensure stability and performance.
- Built a custom API system to integrate user log data and personal information from a WordPress homepage.
- Integrated a click-to-call API into the WordPress homepage to enhance user interaction and support accessibility.
- Optimized page load speed by improving image handling and script performance.

AB RESOURCES PROGRAMMING CO.,LTD 11/2020 - 04/2022

PHP Developer

- Developed and maintained high-quality software applications using PHP and database technologies.
- Developed ERP system modules for inventory management, cash flow tracking, and various business operations.
- Maintained and extended existing projects by adding new features based on client requirements.

AWARDS

Outstanding Employee of the Year 2022 at Viet Vang Company	2022
Excellent Employee 2023 at Viet Vang Company	2023

SKILLS

Programming Languages	PHP, JavaScript
Frameworks	Laravel, Laravel Lumen, CodeIgniter
CMS	Wordpress
Database	MySQL, PostgreSQL, Redis
DevOps	LAMP, LEMP, Docker, Git
Additional Skills	Vue, ReactJS, React Native
Soft Skills	Agile, Leadership, Cross-cultural Communication

PROJECTS

Recruitment System	01/2024 - 06/2025
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Project Manager (Team size: 7)

Customer: Japanese clients

Scope: Web-based recruitment system allowing job seekers to create profiles and apply for school positions. Employers can review candidate profiles, communicate with applicants, and manage recruitment events and job fair notifications.

Responsibilities:

- Gathered and analyzed client requirements, developed implementation plans and schedules.
- Assigned development tasks and led a cross-functional team to deliver features on time.
- Conducted code reviews and provided technical guidance to engineers.
- Deployed and maintained the system in both development and production environments.
- Managed test cases to ensure comprehensive coverage and consistent feature quality.
- Acted as the liaison between the technical team and Japanese clients to ensure ongoing alignment.
- Optimized system performance and scalability to ensure 24/7 availability with no critical downtime.
- Implemented logging and monitoring mechanisms to ensure smooth and reliable system operations.
- Conducted regular performance testing and optimization to maintain fast response times.

Result:

- Successfully onboarded over 1,200 schools and collected more than 2,000 job seeker profiles within the first operational period.
- Over 200 job postings were listed on the system's job search platform.
- Supported responsive design across all devices and platforms.
- Achieved 99.9% uptime and significantly reduced incidents of system failure.

Technology:

- PHP, MySQL

Passenger Ticketing and Cargo Management System	08/2022 - Present
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Project Manager (Team size: 5)

Customer: HoangYen Logistics, Nhà xe Sao Vàng, IVAN EXPRESS	
Scope: Developed an end-to-end system for intercity ticketing and cargo transportation, integrating key features such as online payments, e-invoicing, SMS notifications, and call center support. Designed and exposed a comprehensive set of RESTful APIs to enable seamless third-party integration with travel agents and logistics partners. Ensured system scalability and reliability to handle high transaction volumes.	
Responsibilities: <ul style="list-style-type: none">Designed system architecture and databases based on technical and business requirements.Communicated with clients to refine requirements and coordinate feature rollouts.Planned development timelines and assigned tasks to team members.Implemented key backend features and ensured adherence to coding standards.Reviewed code, managed deployment pipelines, and maintained staging/production environments.Optimized database queries and implemented caching strategies to improve system performance.Integrated Abenla SMS and call center APIs to enable automated messaging and customer support workflows.Integrated MoMo API to support online payments for customer orders. Enabled seamless checkout experience via MoMo e-wallet integration.Developed and maintained a comprehensive set of RESTful APIs to enable seamless third-party integration with travel agents and logistics partners.Conducted regular security audits and implemented necessary updates to enhance the system's security posture.- Conducted regular performance testing and optimization to ensure the system's responsiveness and load times.	
Result: <ul style="list-style-type: none">Reduced ticket/cargo request processing time by over 60%.Decreased manual operation workload by 30% through automation.Integrated Abenla SMS and call center APIs to automate notifications and streamline support. Improved customer engagement and reduced average response time by 40%Successfully deployed and maintained a system handling over 1,500 passenger tickets and 500 cargo shipments daily.Successfully deployed a high-availability system capable of handling over 150,000 requests per day.	
Technology: <ul style="list-style-type: none">Laravel, Mysql, Redis, MoMo API, Abenla API	

Keirin Race Outcome Prediction System	03/2023 - 06/2025
Laravel Developer (Team size: 4)	
Customer: Japanese clients	
Scope: A data-driven system that collects, processes, and analyzes historical race data to train predictive models for keirin cycling outcomes. Includes real-time data crawling, statistical modeling, and performance visualization dashboards.	
Responsibilities: <ul style="list-style-type: none">Designed database schema and implemented optimized queries for training data storage and retrieval.Developed real-time data crawling and transformation pipeline using Airflow.Processed raw data into structured datasets for machine learning model training.Built interactive dashboards to visualize prediction results and simulate profitability metrics.Collaborated with data scientists to align backend infrastructure with modeling requirements.	
Result: <ul style="list-style-type: none">Achieved monthly recall rates of over 95%, with some months exceeding 120%	
Technology: <ul style="list-style-type: none">Laravel, Mysql, Python, Airflow	

Kaigokensaku Website	08/2023 - 05/2024
Project Manager (Team size: 4)	
Customer: Japanese clients	
Scope: Kaigokensaku is a government-backed platform that helps elderly care providers in Japan manage electronic registration and information disclosure, supporting the nationwide digital transformation of long-term care services by 2025.	
Responsibilities: <ul style="list-style-type: none">Gathered and analyzed client requirements, developed implementation plans and schedules.Assigned development tasks and led a cross-functional team to deliver features on time.	

- Integrated Stripe API to support subscription payments via card and bank transfer.
- Designed webhook endpoints to handle real-time Stripe events. (e.g., invoice.finalized, invoice.paid, customer.subscription.deleted, etc.)
- Implemented Stripe 3D Secure support for secure payment processing.
- Integrated a logging mechanism to monitor and ensure smooth operation of the payment process.
- Established monthly maintenance and backup procedures for clients to ensure smooth and uninterrupted system operations.

Result:

- Achieved 99.9% uptime and significantly reduced incidents of system failure
 - Optimized system performance to ensure page load times consistently stayed under 2.5 seconds for end users.
 - Successfully integrated the Stripe payment flow into the client’s system, enabling secure and seamless transactions.
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