

PHAM HONG DUC

Fullstack Engineer



08/03/2001



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Ho Chi Minh, Vietnam



[phamhongduc](#)



phamhongduc.com

OBJECTIVE

With two years of experience as a Full-Stack Engineer, I specialize in web development using React.js for the front end and Node.js for the back end. I have worked on projects in healthcare, education, and management. Additionally, I have experience building intelligent chatbots using the AI Agent Framework. I enjoy optimizing databases, solving algorithmic challenges, and continuously exploring new technologies to enhance my skills.

WORK EXPERIENCE

We Create Vietnam

09/2024 - 03/2025

Freelancer Backend Developer

- Developed an AI-powered chatbot for legal procedures in Vietnam, enabling fast, accurate responses to user inquiries.
- Built large-scale web scraping tools to collect legal documents from third-party sources and store them in a structured database.
- Automated document processing, converting legal templates into preview images for easy access.
- Developed a news aggregation tool, selectively gathering and storing legal news for AI training.
- Optimized database queries to improve chatbot response speed and ensure data integrity.
- Implemented CI/CD pipelines for backend and frontend, streamlining development and deployment.

P.U.I.VN COMPANY LIMITED

09/2023 - 09/2024

Freelancer Fullstack Developer

- Developed custom web applications for clients, handling both frontend and backend.
- Built responsive UI with React.js, TypeScript, TanStack Query, and Tailwind CSS.
- Designed and optimized RESTful APIs using Express.js, MySQL, and PostgreSQL for efficient data flow.
- Improved database performance through indexing and query optimization.
- Worked closely with clients to gather requirements and deliver tailored solutions.

Internship Frontend Developer

- Assisted in developing and maintaining web applications using React.js, TypeScript, TanStack Query, and Tailwind CSS.
- Learned and applied best practices in frontend development, improving UI/UX implementation.
- Worked with senior developers to fix bugs, optimize components, and improve application performance.
- Gained experience in API integration by collaborating with backend teams.
- Explored modern development tools like Git, CI/CD, and Agile methodologies.
- Actively participated in code reviews to improve coding skills and learn industry best practices.

PROJECTS

Blog About Software Engineering

📌 **Website:** phamhongduc.com

I built a personal website to share insights on programming techniques, open-source software, and life experiences. The goal is to educate engineers and foster a collaborative programming community by providing high-quality technical content and discussions.

Key Features & Technologies Used:

- Developed using Next.js, with MDX for dynamic content creation and I18n routing for multilingual support.
- Integrated CI/CD pipelines to automate deployment and ensure seamless content updates.
- Designed a responsive, user-friendly interface, optimizing performance through efficient data handling and modern web development practices.

Online Learning Platform

📌 **Website:** learning.phamhongduc.com

I developed a full-stack online learning platform that provides video lectures, multiple-choice quizzes, and essay-based exercises. The platform is designed to enhance digital education by offering an interactive and structured learning experience, with features like course management, progress tracking, and secure authentication.

Key Features & Technologies Used:

- Backend: Built with Express.js, TypeScript, and PostgreSQL, implementing robust authentication, course management, and progress tracking.
- Frontend: Developed using React.js, TypeScript, React Query, ShadcnUI, and Tailwind CSS, ensuring a responsive and intuitive user experience.
- Performance & Scalability: Optimized data retrieval and system scalability through efficient database design and API integration.
- Deployment & Infrastructure: Automated CI/CD workflows, configured server management with Nginx and daemon processes, ensuring seamless performance and reliability.

EDUCATION

THUYLOI UNIVERSITY

09/2023 - 09/2024

Engineer of Technology (IT)

GPA: 8.47/10

SKILLS

Frontend: React.js, Next.js, Tailwind CSS, ShadcnUI, HTML, CSS, TypeScript, JavaScript

Backend: Node.js, Express.js, Nest.js, RESTful APIs, WebSocket

Database: PostgreSQL, MySQL, MongoDB

AI & Automation: AI Agent Frameworks, n8n (workflow automation)

DevOps & Tools: CI/CD, Docker, Nginx, Agile methodologies, Git

CERTIFICATE

[React - The Complete Guide 2022 \(incl. React Router & Redux\)](#)