

PHAN DUY KHAI

Software Engineering

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SUMMARY

Third-year Software Engineering student with strong practical experience in full-stack web development, backend systems, Linux server management, automation systems, and scalable web applications. Passionate about backend engineering, performance optimization, and solving real-world problems.

Experienced in building production systems serving thousands of users, handling concurrent requests, database operations, RESTful APIs, deployment workflows, and system optimization.

EDUCATION

Posts and Telecommunications Institute of Technology (PTIT)

2023 – Present

Major in Software Engineering

TECHNICAL STRENGTHS

- Backend development with Golang, Laravel, Node.js, NestJS, REST APIs, authentication, and database systems.
- Frontend development using React.js, Next.js, responsive UI, SEO optimization, and state management.
- Experience with Linux server management, VPS deployment, Docker, Git workflows, CI/CD, and hosting systems.
- Knowledge of concurrency handling, system optimization, order processing logic, and scalable architectures.
- Familiar with secure coding practices and common vulnerabilities such as SQL Injection, XSS, and IDOR.
- Strong debugging, problem-solving, adaptability, and fast learning skills.

EXPERIENCE

AI POWER Co., Ltd

Apr 2026 – Present

Software Developer

- Developed and maintained backend services using **Golang** and RESTful APIs.
- Built frontend features and internal enterprise systems using **React.js**.
- Worked with middleware, authentication systems, databases, and API integrations.
- Participated in debugging, optimization, deployment workflows, and production issue handling.

Freelancer / System Administrator - pwsdata.vn

2019 – Present

- Managed hosting systems, websites, VPS services, and customer platforms.
- Designed and developed responsive SEO-friendly websites for multiple business sectors.
- Provided deployment support, technical consultation, and infrastructure management.
- Worked directly with more than 200 customers and maintained long-term technical support.

PROJECTS

3Bomber Vietnam - Coffee Equipment E-Commerce Platform

- Built and customized a production e-commerce platform using **WordPress** with automated business workflows.
- Developed automatic order handling logic for inventory concurrency scenarios when multiple users purchase the same out-of-stock product simultaneously.
- Implemented automatic pending-order processing and inventory synchronization mechanisms.
- System currently serves approximately **2,000+ active users weekly**.

PWSDATA Platform

- Developed a scalable platform using **Next.js** and **Laravel API** architecture.
- Optimized backend and frontend performance for high concurrent traffic handling.
- Platform currently supports over **5,000 users** and handles more than **10,000 weekly visits**.
- Worked on deployment, server optimization, API integration, and production maintenance.

Vietnam Cyber Defense Hackathon 2025

- Built a monitoring platform capable of detecting SQL Injection, XSS, and IDOR vulnerabilities.
- Implemented automated reporting and risk classification systems.

Hackathon Security 2024

- Developed a browser extension for phishing link detection and security analysis.

SOFT SKILLS

Problem-solving, teamwork, communication, adaptability, fast learning, project coordination.