

DANG PHUONG KHOI

NGUYEN

FRONT-END DEVELOPER

ABOUT ME

As a junior studying Software Engineering, I aim to leverage my technical knowledge and problem-solving skills to contribute to software development and collaborative team projects in a professional setting. With a strong foundation in coding with React and Node.js, combined with experience in Java and Python, I can deliver impactful results by collaborating effectively with dynamic teams to achieve shared objectives.

EDUCATION

SOFTWARE ENGINEERING

FPT UNIVERSITY | 09/2023 - 06/2027

- Collaborated with colleagues and worked independently to enhance 23 class and personal projects, applying mentor guidance to achieve 35% improvement in project quality and accelerate skill development. Demonstrated proficiency in NodeJS and Java, and actively engaged with emerging technologies to enhance project outcomes and stay current with industry advancements.

ACTIVITIES


FPT UNIVERSITY

5/2025 - now

Team Leader/Vice-leader

- Led a team of 3 developers to create a Learning Management System with: 3,000+ lines of Java code across 25+ classes, 7 core database entities, 12 JSP pages delivering dynamic content, 8 DAO services handling data operations, 10+ RESTful endpoints for system functionality, 15+ database tables with optimized relationships, 95% test coverage across core features, 100+ potential users supported
- Led 5-member team as vice-leader to deliver plant monitoring IoT system with: Integrated 8+ Arduino sensors for real-time moisture/temperature tracking, 92% prediction accuracy using ML algorithms for watering forecasts, RESTful API handling 1000+ daily requests with Node.js/PostgreSQL, reduced API response time by 40% through query optimization, developed responsive web UI with Next.js


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 <https://github.com/Eggprime1963>


TECHNICAL SKILLS

Languages: JavaScript, HTML5, CSS3, Python, Java 

Frameworks & Libraries: React, Node.js, Spring Boot, Next.js, Express 

Databases: MySQL, PostgreSQL, MongoDB, Microsoft SQL Server 

Tools & Platforms: Git, Github, Adobe Photoshop, Microsoft Office 

Concepts: OOP, Test Driven Development, Analyst user needs 

LANGUAGES

ENGLISH • C1 (IELTS 8.0)

JAPANESE • A2 (JLPT N4)

CERTIFICATES & HONORS

HUAWEI ICT COMPETITION 5/2024
Network Track - 3rd Place Global
Huawei Technology Co.Ltd

PROJECTS

PLANTSMART

9/2025 - 11/2025

Description: Platform to manage my plants' health & automation

Site: <https://github.com/FA25-SWP391-G4/SWP391-Plant-Monitoring-System>

Position: Fullstack Developer and Designer

Purpose: School project

Detail:

- **Architected a modular Express.js API with 18+ controllers** to handle plant monitoring, IoT sensor data, AI analysis, real-time dashboard functionality... with PostgreSQL integration.
- **Implemented comprehensive email and payment service integrations** to provide automated notifications and premium subscriptions with queue management and rate limiting.
- **Built an authentication system with JWT tokens and OAuth 2.0** to support authentication workflows and role-based access control.
- **Developed a multilingual React SPA with 6 language support** to serve global users through comprehensive i18n implementation with 1,500+ translation keys and automated integrity testing.
- **Created 15+ specialized API client modules with Axios** to provide seamless frontend-backend communication and workflows.

PORTFOLIO

2024 - now

Description: A modern, responsive full-stack portfolio website showcasing web development skills with interactive features and professional design.

Site: <https://jamesdpkn.id.vn>

Position: Full Stack Developer & UI/UX Designer

Purpose: To create a professional online presence showcasing technical skills, projects, and providing a direct communication channel for potential employers and clients.

Key Technical Achievements:

- Implemented secure email communication system with Resend API integration
- Created responsive, mobile-first design using modern CSS frameworks
- Built RESTful API with proper error handling and validation
- Developed with TypeScript for improved code quality and maintainability
- Configured cross-origin resource sharing for secure client-server communication