Dang Phuong Khoi Nguyen

FRONT-END DEVELOPER

🚀 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

🏆 CERTIFICATES & HONORS

HUAWEI ICT COMPETITION — 5/2024

Network Track - 3rd Place

Huawei Technology Co.Ltd

ABOUT ME

As a junior studying Software Engineering, I seek to contribute my technical knowledge and problem-solving abilities to support software development and collaborative team projects in a professional environment. With a strong foundation in coding with React and Node.js, along with having experience with Java and Python, Deliver impactful results by collaborating effectively with dynamic teams to achieve shared objectives. I am enthusiastic about contributing to front-end development projects while deepening my expertise in modern frameworks and expanding my skills through real-world application. Enjoy creating new projects and developing valuable resources.

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⭐ ACTIVITIES

FPT UNIVERSITY — 5/2025 - 8/2025

Student

Led a team of 3 students to create a self-studying website with Gemini API for chatbot and recommendation, VNPay API for payment transactions, MySQL for database management, and Git for maintenance; applied Spring Boot for back-end and JavaServer Pages as front-end role to improve UI and UX.

FPT UNIVERSITY — 9/2025 - 1/2026

Student

Managed a team of 5 members as vice-leader to introduce a plant monitoring system with IoT implementation (Arduino), AI for forecast, Node.js and PostgreSQL to boost back-end performance, and Next.js and Kotlin for web and app UI and UX experience.

🎓 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.

LANGUAGES

ENGLISH

- Level: Intermediate
- Skills: Read, Write, Speak, Listen
- Able to communicate fluently and comprehend business documentations

JAPANESE

- Level: Basic
- Skills: Read, Write, Speak, Listen
- Able to communicate in normal context

PROJECTS

PLANT MONITORING SYSTEM 9/2025 - 11/2025

Description: Platform to manage my plants' health & automation
Site: https://vietcvproject.io
Technique:

- **Frontend**: React, Next.js, JavaScript/TypeScript, Tailwind CSS, i18n, PWA
- **Backend**: Node.js, Express, PostgreSQL, JWT, OAuth 2.0, MQTT
- **AI/ML**: Python, scikit-learn, plant health prediction models
- **DevOps**: Jest testing, Git workflows, environment management
- **Integration**: Payment gateways, IoT protocols, real-time communication

Team: 1 PM, 1 IoT/BE dev, 2 FE dev, 1 FE/BE dev
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.
- I**mplemented 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: Personal Portfolio Website (React + Node.js Full-Stack Application)
Technique: Full-Stack Web Development, RESTful API Design, Email Integration, Interactive Maps, Responsive UI/UX Design
Frontend: React 18 with TypeScript, Tailwind CSS, Axios, ES6+ JavaScript
Backend: Node.js with Express.js framework, Nodemailer, CORS, RESTful API endpoints
Team: Solo Developer (Individual Project)
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 Gmail 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