NGUYEN DUONG PHU TRONG

SOFTWARE ENGINEER

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Mobile:
LinkedIn:
Email:
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OBJECTIVE

Motivated and adaptable Fullstack Developer with a strong background in building scalable and high-performance web applications. Proficient in technologies such as ReactJS, .NET, and Spring Boot, with hands-on experience leading development efforts and collaborating across teams. Focused on transitioning into a Senior Developer role in the near future and growing into a Technical Leader in the long term. Passionate about crafting innovative solutions, mentoring others, and aligning technology with business objectives to deliver real-world value.

TECHNICAL SKILLS

Programing languages	• Java, C#, JavaScript, Python
Frameworks/Platforms	• React/NextJS • Bootstrap, Tailwind, MUI, ES6 • JSON Server(Mock API), Postman • Spring Boot, Web API, JUnit • ASP.NET Web API, EntityFramework, NUnit • Flask, Django • Docker, AWS (Amazon Web Services)
Version control	• Git, Sourcetree, Jira
Database Management System	• PostgreSQL, MS SQL Server, MongoDB
Foreign language:	• English

EDUCATION

FPT University   **Sep/2020 - Present**

Bachelor of Software Engineering
GPA: 3.0

ACHIEVEMENT

FPT University   **Jan/2023**
- Excellent students in Scientific Research.
- Published research: Scholar Profile

CERTIFICATES

Project Management Principles and Practices | Coursera
- Certificate url: View certificate here

User Experience Research and Design | Coursera
- Certificate url:View certificate here

Software Development Lifecycle | Coursera
- Certificate url: View certificate here

WORK EXPERIENCES

HAPPY KING AI & IOT SOLUTIONS COMPANY LIMITED - Software Engineer   **Jan/2025 - Present**

Key Responsibilities:
- Software Engineering:
  - Designed, developed, and maintained web applications using ReactJS/NextJS (Front-end) and .NET Core / Spring Boot (Back-end).
  - Built standardized base projects with core modules including JWT authentication, role-based access control, and reusable service architecture.
  - Participated in outsourcing projects: requirement analysis, technical solution implementation, Agile/Scrum-based collaboration.
  - Deployed systems for clients, handled environment setup, user training, and post-deployment support.

Other Contributions:
- Mentored freshers: provided training on processes and base project usage, conducted code reviews, and guided their technical and career development.

Upwork - Fullstack Developer   **Oct/2022 - Jan/2025**

Developing web solutions for domestic clients, including business websites, internal management systems, and custom web applications, primarily as outsourced projects.

Key Responsibilities:
- Fullstack Development: Built both front-end and back-end using C#/.NET, Java/Spring boot, React/NextJS, with SQL & NoSQL databases.
- Documentation: Created and maintained technical documentation to standardize processes and improve collaboration.
- Performance Optimization: Enhanced system speed and user experience through optimization strategies.
- Project & Client Management: Effectively managed project timelines and client expectations to ensure high-quality and timely delivery.

Key Achievements:
- Successfully delivered multiple outsourced projects, meeting and exceeding client expectations.
- Improved system performance and user experience through optimization techniques.
- Developed strong leadership, time management, problem-solving, and client communication skills.

FPT University Can Tho - Computer Science Researcher   **Dec/2022 - Present**

Key Responsibilities & Achievements:

- Conducted research in Artificial Intelligence (AI) and Blockchain, focusing on real-world software applications.
- Developed and optimized Machine Learning, Computer Vision, and NLP models for intelligent data processing and automated recognition.
- Built smart contract prototypes and decentralized apps (DApps) on Ethereum to enhance data security and authentication.
- Co-authored and published multiple research papers at international conferences (see Scholar Profile).
- Worked under the mentorship of Dr. Ha Xuan Son, gaining solid experience in academic research methodology, hypothesis testing, and scalable solution design.

FPT Software HCM Branch Can Tho - Fullstack Developer   **Jan/2024 - Apr/2024**

Project: Nursing Home Management Software

- Role: Fullstack Developer | Team Leader | Tester | Code Reviewer | Document Writer
- Team Size: 8 members (4 Front-end, 4 Back-end)
- Description: Developed a system for managing nursing home operations and enabling real-time health status updates between elderly residents and their relatives.
- Tech Stack: ReactJS (Front-end), Spring Boot (Back-end), Git for version control.

Key Contributions:

- Fullstack Development: Designed and implemented core functionalities for both front-end (ReactJS) and back-end (Spring Boot).
- Team Leadership: Led an 8-member team, assigned tasks, provided technical guidance, and ensured project milestones were met.
- Code Quality & Standards: Established coding guidelines, conducted code reviews, and optimized system performance.
- Version Control & Collaboration: Managed Git repositories, resolved merge conflicts, and maintained a clean development workflow.
- Testing & Debugging: Performed functional testing, wrote unit tests, and ensured software stability before deployment.
- Documentation: Authored and maintained the Software Requirement Specification (SRS) to standardize development processes.

UTA Solution - Front-end Developer   **May/2022 - Nov/2023**

• Participate in front-end development training course. Receive figma design from designer, develop front-end from figma design. Technology used during internship at the enterprise: HTML5, CSS3 (AtomicCSS), Javascript(ES6, React) .

• After the training:

Participate in web project development:

+ Project name: UTA Coffee portfolio (5 members, 1 designer, 2 front-end developers, 2 back end developer)

+ Description of project: Build a web application for customers (cafes, coffee-related businesses) to promote their brands and introduce products to users.

+ Technologies: Designers use Figma to create web application interfaces, front end developers use ReactJS to develop UI for websites, back end developers use PHP.

+ Responsibilities: Fullstack developer, tester, documenting SRS document.

PERSONAL PROJECTS

Vinfast sale car and accessories website

VinFast Sale is an e-commerce platform that allows customers to shop for VinFast cars and accessories quickly and conveniently. The website provides comprehensive information about VinFast vehicle models, genuine accessories, and online ordering with VNPay payment integration.
Key Features:

- Detailed product catalog: Displays specifications, 3D images, and pricing for each VinFast car model.
- Smart search & filtering: Helps customers easily find the right products.
- Online ordering & payment system:
    - Secure payment support via VNPay.
- Customer consultation & support: Schedule test drives and chat directly with sales representatives.
- Order & transaction management: Track order status and receive real-time updates.

Technologies Used:

- Front-end: ReactJS / Next.js
- Back-end: ASP.NET Core Web API
- Database: SQL Server
- Payment Integration: VNPay API
- Deployment & Security: Azure / AWS

This project streamlines the car and accessory purchasing process, providing a modern digital experience for VinFast customers while helping businesses boost sales and expand their market reach.

Responsibilities: Team leader, BA, UI/UX Design, Developer, SRS documenting.

GitHub Repository: https://github.com/TrongNguyen101/swp391-sales-car-project.git

Automation Scheduler App - FPT University

• Application for automating the arrangement of study schedules and final exams of students in FPT University, the application is required by FPT University Training Department and FPT University Examination Department.

• Projects: Scheduling application

+ Client: Training Department, Examination Department

+ Team members: 5 members all Fullstack developer.

+ Project description: The application supports training management and testing department staff to automatically arrange class schedules and final exam schedules.

+ Technology:

* Front-end: ReactJS.

* Back-end: ASP.NET, Python

+ Responsibilities: Team leader, Fullstack developer, tester, documenting SRS document.