

THAI PHAN

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FULL STACK DEVELOPER

Experienced Software developer with 8 years of expertise in designing and building high-performance systems, including drone control platforms and large-scale data processing applications. Proficient in Java, Spring Boot with a strong focus on reliability, scalability, and real-time data handling. Skilled in system integration, API development, and deploying mission-critical applications for autonomous and sensor-driven environments.

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- Problem Solving and Analytical Thinking • Performance Optimization and Scalability
 - Real-Time Data Processing • Code Quality and Best Practices • Mentoring and Knowledge Sharing
 - Troubleshooting and Debugging • Data Structures and Algorithms

Languages: Java, JavaScript, Typescript, Python

Web: HTML, CSS, JavaScript, React, Ajax, Bootstrap, Tailwind

Web Services: REST API

Web/App Servers: Tomcat

Frameworks: Spring Boot, Spring Data, Spring MVC, Spring Security

Databases: MySQL, MongoDB

Design Patterns: Singleton, Builder, Strategy, Observer, Adapter

SDLC: Agile, Scrum

Tools: Gradle, Spark, Postman, Docker, Git, Gitlab

Platforms: Linux, Window, MacOS

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

PROFESSIONAL EXPERIENCE

GAION, Seoul, South Korea • 08/2018 – 12/2024

A trusted partner of Splunk, IBM, and Acoustic. Gaion specializes in collection, storage, analysis, prediction, and visualization of data using advanced big data solutions.

Senior Software Developer (01/2021 – 12/2024)

Played a key role in researching emerging technologies and designing, developing, and deploying scalable software systems across backend, frontend, and DevOps workflows.

- Developed and maintained RESTful APIs using Java Spring Boot, improving system performance by 20% through optimized database queries.
- Built dynamic and responsive user interfaces with React.js, resulting in a 25% increase in user engagement.
- Converted complex C++ codebase to Python to create a unified solution, improving system interoperability by 40%.
- Implemented JWT authentication and role-based access control, strengthening application security and ensuring compliance with industry standards.
- Implemented GitLab CI with Docker, boosting platform scalability and cutting new feature development time by 30%.
- Developed a Mobile application integrating a BLE heart rate sensor, enabling real-time biometric data acquisition and processing.
- Participated in code reviews and mentoring sessions, improving overall team code quality and knowledge sharing.

Software Developer (08/2018 – 12/2020)

Contributed to the development of user-facing features with a focus on performance, responsiveness, and user experience.

- Implemented IBM Tealeaf scripts to enable customer behavior analysis, improving data insight accuracy by 20%.
- Designed IBM Tealeaf report to optimize the user experience, which led to higher conversion rates, increased revenue.

- Developed a JavaFX client for in-house inventory management, leading to a 20% improvement in monitoring efficiency.
- Refactored JavaScript legacy code to enhance maintainability and scalability, reducing technical debt by 30% and streamlining future development efforts.
- Managed and optimized an Apache Spark server to process patient health metrics, enabling real-time data monitoring and analysis.
- Collaborated with cross-functional teams including designers, testers, and senior developers to ensure smooth delivery of projects.

Technologies Used: *Java, HTML, CSS, JavaScript, React, Python.*

NITECO, Ha Noi, Vietnam • 06/2016 – 07/2018

A global software development company that combines technical expertise with strategic vision, delivering high-quality Web and Mobile Development, E-commerce solutions, and Digital Transformation.

Junior Frontend Developer

Translated complex UI/UX designs into a fully responsive interface, using a mobile-first approach and building robust client-side logic to manage application state.

- Implemented a new feature for the internal dashboard, enhancing user interaction by 20%.
- Developed an interface testing tool using the JasmineJS library, improving the testing process efficiency by 20%.
- Designed and implemented an internal ExtJS survey application to replace external services, resulting in significant cost savings.
- Collaborated and developed new Angular client to replace the legacy front-end technology of the e-commerce website, resulting in a 30% increase in customer engagement.
- Migrated a legacy jQuery codebase to a new interface, saving the backend team 30% in development time through improved client-side logic.
- Participated in code reviews and mentoring sessions, improving overall team code quality and knowledge sharing

Technologies Used: *HTML, CSS, JavaScript, Angular, ExtJs, Bootstrap.*

ACADEMIC PROJECTS

Maharishi International University (2025)

- **Product Review System:** Built a full-stack web application where users can browse products, post reviews, and rate items based on their experience. The platform supports user authentication, review moderation, and average rating calculations. Utilized React, Nodejs, OpenAI API.
- **Course recommendation:** A personalized learning recommendation system that allows students to select a learning path and receive dynamic course suggestions based on their progress, performance, and stated expectations. Utilized React, Angular, OpenAI API.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 10/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: *Web Application Programming, Modern Web Applications, Algorithms, Enterprise Architecture*

Bachelor in Information Technology

VNU University of Engineering and Technology, Ha Noi, Vietnam (06/2016)