NGUYEN NHAT TAN

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EXECUTIVE SUMMARY & CAREER OBJECTIVE

As a Full Stack Developer with 4 years of experience, I have a strong foundation in ReactJS, TypeScript, NextJS, and Java Spring Boot. My goal is to contribute to a dynamic company's success as a Full Stack Developer, continuously learning and improving to deliver effective solutions. I stay up-to-date with the latest software development technologies and best practices, striving to become a valuable asset to any team I join.

WORK EXPERIENCE

Middle Full Stack Developer, FPT Information System (FPT IS)   *09/2025 – Present*
Project: Data Platform
Team Size: 8 members
Job overview and responsibilities:

- Designed, developed, and maintained backend services using Java Spring Boot.

- Implemented data access layers with Spring Data JPA and optimized performance using native SQL queries.

- Developed real-time data communication features using WebSocket and Server-Sent Events (SSE).

- Applied Spring Validation to ensure data integrity and request correctness.

- Secured APIs and system access using Spring Security.

- Built event-driven data pipelines using Apache Kafka for asynchronous processing.

- Implemented search and analytics features with Elasticsearch.

- Set up centralized logging and monitoring using ELK Stack (Elasticsearch, Logstash, Kibana) along with Filebeat and Metricbeat.

- Worked with both relational and NoSQL databases including PostgreSQL and MongoDB.

- Developed user interfaces using ReactJS and Material UI (MUI).

- Participated in system design discussions, code reviews, and cross-team collaboration.

Technologies Used:

- **Backend:** Java Spring Boot, Spring Data JPA, Spring Validation, Spring Security, WebSocket, Server-Sent Events, Kafka

- **Search & Monitoring:** Elasticsearch, Logstash, Filebeat, Metricbeat, Kibana

- **Frontend:** ReactJS, Material UI (MUI)

- **Database:** PostgreSQL, MongoDB

- **Big Data:** Hadoop

Middle Full Stack Developer, FPT Information System (FPT IS)   *04/2025 – 09/2025*
Project: Big Data System
Team Size: 10 members
Job overview and responsibilities:

- Developed and maintained scalable Spring Boot microservices architecture.

- Utilized OpenAI API for analytics, forecasting, and statistical insights based on data from Excel files and multiple databases (PostgreSQL, MongoDB, MySQL, SQL Server, Oracle).

- Integrated Redis for caching and Elasticsearch for advanced search functionalities.

- Set up centralized logging infrastructure by collecting application logs with Logstash.

- Designed and deployed Kafka-based messaging systems for real-time event processing.

- Secured applications with Spring Security.

- Built responsive UIs with ReactJS and TypeScript.

- Containerized services using Docker for local and production environments.

- Collaborated using Jira for agile planning and sprint tracking.

Technologies Used:

- **Backend:** Spring MVC, Spring Web Flux, Spring Security, Spring Data JPA, Kafka, Redis, Elasticsearch, Logstash, Hibernate(Native SQL queries)

- **Frontend:** ReactJS, TypeScript

- **AI:** OpenAI API

- **Database:** PostgreSQL, MongoDB

- **Deployment:** Docker, GitLab

- **Project Management:** Jira

Full Stack Developer, TMA Solutions *07/2024 – 03/2025*
Project: AI Automation Test System
Team Size: 8 members
Job overview and responsibilities:

- Utilized Azure OpenAI to generate test cases and execute them in real-time.

- Implemented WebSocket and Event Stream technology for real-time data & real-time logging.

- Developed a hierarchical structure for managing test cases.

- Created an agent to run test cases and view test reports.

- Set up a deployment pipeline.

- Developed and implemented an integrated video recording system to capture test case execution.

Technologies Used:

- **React (TypeScript):** Radix for theming, CodeMirror for the code editor

- **Java:** Spring Security, Spring WebSocket, Spring Oauth2, Spring JPA, Spring Actuator, Spring Mail, Schedule, Spring Data Redis, Spring Doc, Fasterxml Jackson(JSON library), JGit, Lombok, Gradle

- **Azure OpenAI:** For test case generation

- **WebSocket & Event Stream:** For real-time data & logging

- **Python:** For automation scripts

- **Database:** SQL Server

- **Docker:** Set up agents for running test cases using Cypress, Selenium (Python, CSharp) and Playwright (Python)

- **DevOps:** Kubernetes, Linux Scripting, CI/CD pipelines with Azure DevOps

- **Code Quality and Analysis Tools:** Sonar, Checkstyle, Vitest, Junit, Mockito, Eslint, Prettier

Full Stack Developer, TMA Solutions   *04/2023 – 06/2024*
Project: Semantic Search
Team Size: 15 members
Job overview and responsibilities:

- Contributed to the design and development of semantic search features.

- Collaborated with cross-functional teams to implement new search algorithms.

- Integrated Azure AI Search and OpenAI to enhance semantic query capabilities.

- Developed and optimized data crawling solutions using Python and FastAPI.

- Set up a deployment pipeline.

Technologies Used:

- **React (TypeScript):** Vite, Radix, Tailwind, React Hook Form, @stomp/stompjs (WebSocket), Axios, ESLint, Prettier, ag-grid-react, Husky, ChartJS

- **Java:** Spring Security, Spring Oauth2, Spring JPA, Spring WebSocket, Spring Data, Spring Data Redis, Spring Actuator, Spring Mail, Lombok, Spring Session, Spring Doc, Gradle

- **Azure Services:** Azure AI Search, Azure OpenAI, Redis, Azure Storage Account, SQL Server

- **Python:** FastAPI, Scrapy (Data Crawling), Playwright, WebSocket

- **Docker:** Setup agents to crawl data from a specific site

- **DevOps:** Kubernetes, Linux Scripting, CI/CD pipelines with Azure DevOps

- **Code Quality and Analysis Tools:** Sonar, Checkstyle, Vitest, Junit, Mockito, Eslint, Prettier

Full Stack Developer, TMA Solutions   *01/2022 – 03/2023*
Project: DHP Eventbus
Team Size: 6 members
Job overview and responsibilities:

- Developed new features for existing projects.

- Maintained and supported existing features.

- Implemented unit tests for developed features.

- Configured infrastructure for deployment.

Technologies Used:

- **React (TypeScript):** Vite(migrate from create-react-app), Micro Frontend, Webpack, Antd, Web-Socket (stompjs), Axios, ESLint, Prettier, Husky

- **Java:** Spring Web, Apache Pulsar, Spring JPA, Spring Clould Vault, Fasterxml Jackson (Json library), Spring security, Spring Mail, Spring Doc, Gradle

- **SQL Server:** Database management and optimization

- **DevOps:** Azure DevOps, Kubernetes, Docker

- **Testing:** Jest (UI testing), Mockito & JUnit (Backend testing), Selenium (Automation testing)
- **Code Quality and Analysis Tools:** Sonar, Checkstyle, Junit, Mockito, Jest, Eslint, Prettier

PROJECTS

Flow Chart App   *06/2023 – Present*
Technologies Used: NextJS, Next Auth, MUI, Java Spring Boot, Tailwind, PostgreSQL, Azure DevOps, Jest
Description: An editor for building charts and diagrams.
Repo: Flow Chart App
Website: tannguyen.id.vn

SKILLS

Hard Skills

- ReactJS, TypeScript, Java Spring Boot, NextJS, NodeJS

- Antd, Material UI, Radix, ChartJS, Highcharts, React Ag-Grid

- Java (Spring Boot, Spring Security, Spring Data JPA, Spring OAuth2, Schedule, Spring Data Redis, Spring Mail, Spring Actuator, Spring Cloud, Lombok, Hibernate)

- HTML, CSS, JavaScript (ES6+), Responsive Design

- OAuth2, JWT for authentication and authorization

- Redis, Apache Kafka, Apache Pulsar, RabbitMQ

- Elasticsearch, Logstash for search and logging

- OpenAI API, Azure OpenAI

- Docker, Kubernetes, GitLab CI/CD, Azure Pipeline

- SQL Server, PostgreSQL, MongoDB, MySQL, Oracle

- Design Patterns, Clean Code, Microservices Architecture

- Sonar, Checkstyle, Gradle, ESLint, Prettier

Soft Skills

- Teamwork

- Agile, Kanban

EDUCATION

Can Tho University   *09/2018 - 09/2022*
Major: Information Technology   GPA: 3.42/4

ACHIEVEMENTS

- **TMA Star Performers**: Recognized for outstanding contributions and performance at TMA Solutions.