



# NGUYEN TAN PHAT

Web Developer

My website: [tanphat.dev](http://tanphat.dev)



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## EDUCATION

Bachelor's degree in Computer Science  
More 2 years experience as web developer

## SKILLS

### Programing languages and framework

Elixir (Erlang): Phoenix (Advanced)  
Java: Spring boot  
Ruby: Ruby on rails  
Python: Django (Not use for a while)

### Front-end

Html/css3  
JS (basic)  
Angular 8  
Liveview in phoenix

### Back-end

Phoenix (Genserver, cache ETS, Channels, ...)  
Springboot (oauth2, jwt, swagger, ...)  
Ruby on rails  
Django (Not use for a while)

### Unit Testing

Write unit tests  
Github Action

### CI/CD

Heroku  
Gigalexir (built-on top heroku)  
Docker

### Server

Centos  
Window  
VPS Server  
Deployment  
CI/CD  
Monitor tools

### Git

Gitlab  
Github  
Source tree

### Database

MySQL  
Postgres

### Cloud

AWS cloudformation  
Google cloud (VM instance)

### Pentest

Nmap

### Blockchain and Cryptocurrency

Smart contract: Solidity, Haskell

## TECHNICAL EXPERIENCES

- Experience in stock exchange, used to build a concurrency system that excuted 1000 TPS (Transaction Per Second) by Elixir( Erlang).
- Experience in building a scalability and fault-tolerance system.
- Experience with third-party API: PSP (Provider Service Payment) such as: Payoo, VNpay, MoMo; shipping: Ahamove API; Facebook API Explorer, Google API, Zalo API, Yahoo Finance, Coinmarketcap, Trading view, ...
- Knowledge of FIX (Financial Information Exchange) protocol, a protocol is used to build core of stock market.
- In-depth understanding of website. From front-end, back-end, server, database and how they commuticate.
- Knowledge of HTTP/HTTPS, virtual host, RESTfull api, RPC, web socket, domain, config SSL (Letsencrypt), cloudfare, config port ( Firewall), JSON format, XML format, ...
- In-depth understanding functional programing and OOP.
- Proficient in set-up server (Centos).
- Proficient in deploying live server (VPS) and Google cloud (VM instance).
- Proficient in pentesting server using Nmap.
- Experience in golive project.
- Experience with MySQL and Postgres.
- Experience with AWS Cloudformation.
- Proficiencie version of git such as: Gitlab, Github, Source tree.
- Proficiencie in writing unit tests.
- A little knowledge about Docker.
- Experience with CI/CD: write building file (sh file), Heroku.
- In-depth understanding of blockchain, cryptocurrency and its ecosystem.

## FinNext

### **Project Responsibilities:**

FixNext is a project about the stock exchange. Based on the official document of HoSE (Ho Chi Minh Stock Exchange), we build a stock trading system that can execute 1000 TPS. My responsibility in 2 parts: OMS (Order Management System) and DMA FIX engines (Direct Market Access). In OMS, I've built a module "Checking trading rules" based on trading rules of HoSE that will check all orders and determine which one is valid and vice versa. With DMA, I've built it based on Fix protocol (Financial Information Exchange) that would execute the valid order and send it to HoSE and receive the response.

### **Responsibilities:**

Backend Developer Elixir-Erlang, Postgres, ...

## 25Plus.vn

### **Project Responsibilities:**

Build an eCommerce platform that suits the different specific requirements. Here, we've integrated my platform for the F&B industry. My responsibility has 2 parts. The first was to build a service gateway that managed shipping (Ahamove) and PSP (Provider Payment Service) services (Momo, VnPay, Payoo). Second, I integrated some third-party APIs such as Facebook, Google, Zalo, mail service, ... into the backend module.

### **Responsibilities:**

Backend Developer: Phoenix (Elixir-Erlang), Postgres, ...

## IETeck

### **Project Responsibilities:**

OPBD software manages apparel system: The system manages operation breakdown in the apparel industry, the work in each style is broken down into operations. An operation that must be completed in converting materials into finished garments. This system helps managers can anticipate the whole working operation. Also, predictably machines to use for doing the specific operation, estimated time to do each operation for one unit. From that, the customer could analyze the efficiency of the branch factory. My responsibility was to build from backend to frontend and managed the database also.

### **Responsibilities:**

Fullstack Developer: Angular 8, Spring boot (Java), MariaDB, ...

## My Website

### **Project Responsibilities:**

I've built a website with the purpose to get real-time data about the cryptocurrency market and the stock market. With that, I've written a few articles about skill, technique, the market that I've researched and had an opportunity to work with it. With the purpose of building a system that could customize the best it can, I've built it based on the generic model then integrated real-time data service, widgets, and APIs from trading view, coinmarketcap, coingecko, coin360, etherscan, etc. Finally, integrated a few tools about security, monitor such as Cloudflare, AppSignal.

### **Responsibilities:**

Fullstack Developer: Phoenix (Elixir-Erlang), Postgres, VPS server (Centos 8), third-party API, monitor tools, etc

## KIS-IOData

### **Project Responsibilities:**

From UML and document, we used AWS Cloudformation to create some templates and built infrastructure on AWS. From that, we could build CI/CD to apply to the project.

### **Responsibilities:**

Devops AWS cloudformation, services on AWS.

## ***HTV-Learning English Application***

### ***Project Responsibilities:***

An outsourcing project from Japan that we've had a mission was to check some payment errors on the system and had an opportunity to working with GMO, the biggest PSP in Japan.

### ***Responsibilities:***

Backend Developer: Ruby on rails, Docker, ...

## ***Graduated Project***

### ***Project Responsibilities:***

Candidate Management System: The system manages candidate. This project is required by university for graduating. I have mission that recieved requirement from customer in an organization then analyze bussiness to break down into software development process, design interface, choose appropriate technical. Finally, building into product.

### ***Responsibilities:***

Fullstack Developer: Angular 8, Spring boot (Java), MySQL, ...