



# PHAT T. NGUYEN

Backend Developer

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



Birthday: 05/04/1997



Email: [tphat2616@gmail.com](mailto:tphat2616@gmail.com)



Gender: Male



Phone: +84 335 315 610



Address: District 7, Ho Chi Minh city

## 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

### Front-end

Html/css3  
Angular 8  
Liveview in phoenix

### Back-end

Phoenix (Genserver, ETS, Channels, ...)  
Springboot (oauth2, jwt, swagger, ...)

### Unit Testing

Write unit tests

### CI/CD

Heroku  
Gigalixir (built-on top heroku)

### Server

Centos  
Window  
VPS Server  
Deployment  
Monitor tools

### Git

Gitlab  
Github  
Source tree

### Database

Postgres

### Cloud

AWS cloudformation  
Google cloud (VM instance)

### Pentest

Nmap

### Blockchain and Cryptocurrency

Elrond-sdk  
Near-sdk-rs

## ABOUT MYSELF

- I'm a back end developer and some devops skills.
- I'm interested in Elixir/Erlang and cryptocurrency.

## TECHNICAL EXPERIENCES

- Experience in stock exchange, used to build a concurrency system that excuted s huge TPS (Transaction Per Second) by Elixir( Erlang).
- 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, client-server communication(RESTfull api, RPC, TCP, UDP), 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).
- Proficient in pentesting server using Nmap.
- Experience in golive project.
- Experience with Postgres.
- Experience with AWS Cloudformation.
- Proficiency version of git such as: Gitlab, Github, Source tree.
- Proficiency 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

(2/2021 - 10/2021)

Customer	N/A
Description	FinNext 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.
Team size	7
My position	Back end developer
My responsibilities	<ul style="list-style-type: none"><li>- Discuss design issues.</li><li>- Development.</li><li>- Optimize code.</li><li>- Write unit tests.</li><li>- Fix bug.</li></ul>
Technologies used	<ul style="list-style-type: none"><li>- Elixir/Erlang.</li><li>- Phoenix framework.</li><li>- Postgres.</li></ul>

25plus.vn

(9/2020 - 4/2021)

Customer	25plus
Description	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.
Team size	7
My position	<ul style="list-style-type: none"><li>- Back end developer.</li><li>- Devops.</li></ul>
My responsibilities	<ul style="list-style-type: none"><li>- Design API gateway.</li><li>- Integrate PSP (Provider Service Payment): Momo, VNPay, Payoo and shipping service: Ahamove.</li><li>- Integrate OAuth 2.0 with Google, Facebook and Zalo</li><li>- Integrate Facebook API Explorer.</li><li>- Development.</li><li>- Optimize code.</li><li>- Write unit tests.</li><li>- Fix bug.</li><li>- Deployment.</li></ul>
Technologies used	<ul style="list-style-type: none"><li>- Elixir/Erlang.</li><li>- Phoenix framework.</li><li>- Third-party API.</li><li>- Postgres.</li><li>- VPS (Centos 7)</li></ul>

My Website: tanphat.dev

(5/2021 - present)

Customer	Me and my friends
Description	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 customization, 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 and monitor such as Cloudflare, AppSignal.
Team size	1

<b>My position</b>	<ul style="list-style-type: none"> <li>- Fullstack developer.</li> <li>- Devops.</li> </ul>
<b>My responsibilities</b>	<ul style="list-style-type: none"> <li>- Design.</li> <li>- Development.</li> <li>- Optimize code.</li> <li>- Fix bug.</li> <li>- Deployment.</li> </ul>
<b>Technologies used</b>	<ul style="list-style-type: none"> <li>- Elixir/Erlang</li> <li>- Phoenix framwork.</li> <li>- Postgres</li> <li>- VPS (Centos 8).</li> <li>- Cloudflare.</li> <li>- AppSignal</li> <li>- Third-party API.</li> </ul>

## IETeck

(01/2020 - 01/2021)

<b>Customer</b>	FGL Viet Nam
<b>Description</b>	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.
<b>Team size</b>	8
<b>My position</b>	<ul style="list-style-type: none"> <li>- Fullstack developer.</li> </ul>
<b>My responsibilities</b>	<ul style="list-style-type: none"> <li>- Development.</li> <li>- Optimize code.</li> <li>- Fix bug.</li> <li>- Deployment.</li> </ul>
<b>Technologies used</b>	<ul style="list-style-type: none"> <li>- Java Spring.</li> <li>- Angular 8.</li> <li>- MariaDB</li> </ul>

## KIS-IOData

(9/2020 - 11/2020)

<b>Customer</b>	KIS (Japan)
<b>Description</b>	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.
<b>Team size</b>	N/A
<b>My position</b>	<ul style="list-style-type: none"> <li>- Devops.</li> </ul>
<b>My responsibilities</b>	<ul style="list-style-type: none"> <li>- Build templates.</li> <li>- Test</li> </ul>
<b>Technologies used</b>	<ul style="list-style-type: none"> <li>- AWS Cloudformation</li> </ul>

## HTV-Learning English Application

(11/2020 - 01/2021)

<b>Customer</b>	HTV (Japan)
<b>Description</b>	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.
<b>Team size</b>	N/A
<b>My position</b>	<ul style="list-style-type: none"> <li>- Back end developer.</li> </ul>
<b>My responsibilities</b>	<ul style="list-style-type: none"> <li>- Design.</li> <li>- Development.</li> <li>- Optimize code.</li> <li>- Fix bug.</li> <li>- Deployment.</li> </ul>
<b>Technologies used</b>	<ul style="list-style-type: none"> <li>- Ruby on rails.</li> </ul>

Technologies used	- Docker
-------------------	----------

## Graduated Project

(6/2019 - 9/2019)

Customer	N/A
Description	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.
Team size	2
My position	- Back end developer.
My responsibilities	- Design. - Development. - Fix bug.
Technologies used	- Java Spring boot. - Angular 9. - MySQL.

## WORK EXPERIENCE

09/2020 - 10/2021

### IPLUS

#### Back end developer

► Skills gained:

- Learning about Elixir/Erlang, funtional programing and Actor model.
- Develop website and applacation by phoenix framework.
- Have knowledge of system design and deploy a production
- Learning about the stock exchange.
- Have knowledge of concurrency, scalability and fault tolerance system.

01/2020 - 01/2021

### COZWork

#### Fullstack developer

► Skills gained:

- Develop website by Spring boot, Angular, Ruby on rails.
- Have experience about AWS Cloudformation.
- Fix bug and maintain product.
- Have the spirit of learning and teamwork.

03/2018 - 07/2018

### FPT sofware (Internship)

#### Back end developer

► Skills gained:

- Develop Spring applications using Java.
- Fix bug and maintain Spring application.
- Have experience about JPS, JDPC, JPA, ...
- Familiar with Git.
- Research about spring framework.
- Have the spirit of learning, teamwork, and support a growing intern team