



# Nguyễn Thế Hợp

## Java Developer

📅 Nov 29, 2000

♂ Male

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🌐 <https://github.com/Puskin2911>

### INTERESTED IN:

♟ Chinese Chess

📖 Poetry

🚶 Walking

## OBJECTIVE

- Take advantages of software development skills to become a professional developer.
- Try to become a good member in development team

## EDUCATION

Aug 2015 - May 2018

### Vinh Phuc gifted high school

Major: Information Technology

Good - 8.2/10

Aug 2018 - Present

### Hanoi University of Science

Major: Computer and Information Science

GPA: 3.1/4

## ACTIVITIES

Aug 2020 - Present

### Eastgate Software - Java internship

- Maintain and develop applications related to Intelligent Traffic System (ITS).
- Learn the good programming skills.

July 2020 - Sep 2020

### LinuxHQ - Java internship

- Learning about Spring MVC, Restful webservice, UML design.

## SKILLS

### Language

- Have 1 year experiences in software development with Java.
- Have knowledge and experience about Python(Flask-FastAPI).
- Have knowledge and experiences with Javascript(ES6), using ReactJS to develop SPA

### Spring Framework

- Experiences in building Restful web service and micro-service with Spring Boot, Spring Web, Spring Cloud & Spring Data JPA.
- Have experiences in Authentication and Authorization with Spring Security, JWT, OAuth2.
- Have basic knowledge in Spring MVC working with Thymeleaf template engine to build web application

### Software development

- Good experiences at OOP, Design pattern
- Have knowledge about REST and SOAP
- Basic knowledge about UML design, Micro-service architecture.

### Database & Storages

- Have knowledge and experiences with RDB like MySQL & PostgreSQL
- Have knowledge and used about caching by using Redis
- Have knowledge and used RabbitMQ & Apache Kafka as message broker

### Cloud

- Have basic understand about AWS architecture and use case
- Basic knowledge about NGINX use as reverse server and load balancer
- Knowledge and a little bit experience about docker.
- Basic at ubuntu.

## PROJECTS

SIWAVE Insights + DataHub - 5/2021 -> now

<b>Description</b>	- SIWAVE Insights is a cloud-based analytics and alarm management platform providing customizable alarms, advanced analytics and seamless integration with our Advanced Traffic Management System, TACTICS™. <a href="#">- Detail information</a>
<b>Team size</b>	5
<b>My responsibilities</b>	- Develop DataHub APIs to server SIWAVE platform(using Python FastAPI) - Programming multi-threading to optimal APIs time query - Develop APIs for SIWAVE Insights(using Java Spring)
<b>Technologies used</b>	- RESTful APIs with Spring Boot + Spring Data + Mysql + Swagger - Microservice and centralization config with Spring cloud - RESTful APIs with FastAPI + SQLAlchemy + PostgreSQL - MySQL, PostgreSQL, Redis, Kafka - AWS EC2, S3, CloudWatch, CloudEvent, API gateway, RDS, ECS, ECR, CloudFormation, MSK - Git, IntelliJ, Maven, CI/CD on Gitlab & DevAzure, Agile Scrum

#### VT Server - 5/2021 -> 6/2021

<b>Description</b>	- Develop application can work with sX controller - tools for ITS
<b>Team size</b>	5
<b>My responsibilities</b>	Develop adapter application(using C#) to connect WinSLA application with VT-Server
<b>Technologies used</b>	- C# with .NET - Spring Boot, Spring Integration - Sending XML message via socket - Git, IntelliJ, Maven, DevAzure CI/CD, Agile Scrum

#### Signal Logger - 3/2021 -> 5/2021

<b>Description</b>	- Tools to manage log of traffic system
<b>Team size</b>	5
<b>My responsibilities</b>	- Maintain: Unit testing for old code base - Develop: Create APIs for new function
<b>Technologies used</b>	- Dagger for DI framework - Spark for web service(Jetty embedded server) - File IO manipulate: Read, Write and query. Log4J customize for logging - Git, IntelliJ, Maven, DevAzure CI/CD, Agile Scrum

#### Siwave Insights - 12/2020 -> 3/2021

<b>Description</b>	- Analysis data about Traffic system
<b>Team size</b>	8
<b>My responsibilities</b>	- Maintain: Fixing bugs, writing unit test for old code base - Develop: Create APIs for new function (RESTful webservice) - DevOps: Maintain source code on Gitlab CI/CD & AWS
<b>Technologies used</b>	- RESTful APIs with Spring Boot + Spring Data + Mysql + Swagger - Microservice and centralization config with Spring cloud - MySQL, Redis. - AWS EC2, S3, CloudWatch, CloudEvent, API gateway, RDS, ECS, ECR, CloudFormation - Git, IntelliJ, Maven, CI/CD on Gitlab & DevAzure, Agile Scrum

#### OCIT-C\_Router - 9/2020 -> 12/2020

<b>Description</b>	- Router for OCIT-C system
<b>Team size</b>	5
<b>My responsibilities</b>	- Learning and follow project - Writing unit test for small function

<b>Technologies used</b>	- Spring Framework, SOAP message
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## OWNER PROJECTS

### BrainCamp - 3/2021 -> 5/2021

<b>Description &amp; Features</b>	- Web application for playing puzzle games - Puzzle games: Sudoku, Knight tour, N Puzzle
<b>Technologies used</b>	- ReactJs, React Redux, react-bootstrap, Html canvas - AWS Amplify, Github CI/CD - Git, WebStorm
<b>Source code</b>	<a href="https://github.com/Puskin2911/brain-camp">https://github.com/Puskin2911/brain-camp</a>

### Chinese Chess Game Online - 5/2020 -> 2/2021

<b>Description &amp; Features</b>	- Web application for playing chinese chess game online - Auto join room - Chat in room
<b>Technologies used</b>	- Spring Boot, Spring Web, Spring security & JWT, Spring Data, STOMP message - ReactJs, Html canvas, Bootstrap 4 - MySQL - AWS EC2, NginX, Github CI/CD - Git, IntelliJ, Maven
<b>Source code</b>	<a href="https://github.com/Puskin2911/Chinese-Chess-Game-Online">https://github.com/Puskin2911/Chinese-Chess-Game-Online</a>

### Maze game - 8/2019 -> 8/2019

<b>Description &amp; Features</b>	- Demo for maze game: finding the way to escape from random maze - Auto generated maze - Manual play, automatic solve
<b>Technologies used</b>	- Java Swing - Git, Eclipse
<b>Source code</b>	<a href="https://github.com/Puskin2911/Maze-Game">https://github.com/Puskin2911/Maze-Game</a>

## PERSONAL SKILLS

- The spirit of inquisitive, not afraid of suffering
- Have ability to self-learning at new technology