Nguyễn Thế Hợp
Software Developer

🗓 Nov 29, 2000   📍 Thanh Xuan, Ha Noi, Vietnam
⚥ Male   🏠 Binh Xuyen, Vinh Phuc, Vietnam
📞 0979465164   @ nguyenthehop2000@gmail.com
   🔗 https://github.com/Puskin2911

OBJECTIVE

- Take advantages of software development skills to become a professional developer.
- Try to become a good member in software 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 (First) / Java developer (Now) - Maintain and develop applications related to Intelligent Traffic System (ITS). - Learn and research programming and system design skills.
July 2020 - Sep 2020	**LinxHQ** - Java internship - Learning about Spring MVC, Restful webservice, UML design.

SKILLS

Programming Languages	- Have 2 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 projects like: Spring Boot, Spring Web, Spring Cloud & Spring Data JPA. - Have experiences in Authentication and Authorization with Spring Security, JWT, OAuth2 standard. - Have basic knowledge in Spring MVC working with Thymeleaf template engine to build fullstack web application. - Have experience in Spring WebService, using for building SOAP web service with first contract approach.
Software development	- Good experiences at OOP, Principles, Design pattern. - Have knowledge about REST and SOAP. - Basic knowledge about UML design, Micro-service architecture. - Have experiences working with Agile/Scrum.
Databases & Storages	- Have knowledge and experiences with RDB like Mysql & PostgresQL. Have knowledge about database design but not much experience working with the native SQL query. Almost time is working with ORM. So this can be a weakness. - 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. Worked and monitored services as: EC2, Amplify, ECS, ECR, CloudFormation, CloudWatch, Lambdas, RDS, MSK, VPC.

	- Basic knowledge about NGINX use as reverse server and load balancer. - Knowledge and a little bit experience about docker. - Basic at linux(ubuntu debian).
Foreign Language	- English skills are not good, can have a basic communication, working with English documentations.

PROJECTS

VD Server - 01/2022 -> Now

Description	Server for interacting data with the Traffic Light Controller(TLC) base on OCIT-C Standard
Team size	6
My responsibilities	- Develop Rest APIs for the Web-UI client base on existed services - Develop Single Page App for interaction with the server
Technologies used	- RESTful APIs with Spring Boot + Spring Data + Mysql + Swagger - Keycloak used as Identity management framework - ReactJS, MobX, and some other UI libraries - Git, IntelliJ, Maven, CI/CD on Gitlab & DevAzure, Agile Scrum

SIWAVE Insights + DataHub - 12/2020 -> Now

Description	- 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™. - Detail information
Team size	7
My responsibilities	- 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)
Technologies used	- 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

Description	- Develop application can work with sX controller - tools for ITS
Team size	5
My responsibilities	Develop adapter application(using C#) to connect WinSLA application with VT-Server
Technologies used	- 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

Description	- Tools to manage log of traffic system
Team size	5
My responsibilities	- Maintain: Unit testing for old code base - Develop: Create APIs for new function

Technologies used	- 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

OCIT-C_Router - 9/2020 -> 12/2020

Description	- Router for OCIT-C system
Team size	5
My responsibilities	- Learning and follow project
	- Writing unit test for small function
Technologies used	- Spring Framework, SOAP message

OWNER PROJECTS

BrainCamp - 3/2021 -> 5/2021

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

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

Description & Features	- Web application for playing chinese chess game online
	- Auto join room
	- Chat in room
	- Ranking system
Technologies used	- 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
Source code	https://github.com/Puskin2911/Chinese-Chess-Game-Online

Maze game - 8/2019 -> 8/2019

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

PERSONAL SKILLS

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