

# Le-Van-Hoang PHUONG

## Backend Engineer

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**📍** District 11, Ho Chi Minh City  
**📅** Jan 28, 1997



I am a kind of experienced full-stack Software Engineer with a demonstrated history of working in the IT industry.

Strong on Scientific Research, Mathematics, and Web development.

I possess strong engineering professional with a Bachelor of Engineering Degree in Electrical and Electronics Engineering assessed by AUN-QA (ASEAN University Network Quality Assurance), top-5 GPA 8.46/10.0 in the class of Honors Program of Electronics and Telecommunications Engineering.

With a mind set of Continuous Learning, I always learn to be more valuable and achieve the better of mine.

## EDUCATION

Sept 2015 - Jun 2019 Ho Chi Minh City University of Technology - VNU-HCM (HCMUT).  
Bachelor of Engineering in Electrical and Electronics Engineering (EEE) assessed by AUN-QA (ASEAN University Network Quality Assurance).  
Achieved top-5 GPA : 8.46/10.0 in the class of Honors Program of Electronics and Telecommunications Engineering.

## SKILLS

<b>Methodology</b>	Agile (Scrum, Kanban)
<b>Programming</b>	Java, Python, Nodejs, Typescript, Javascript, HTML, CSS, Shell, Matlab/Octave, .Net (C#), Go
<b>Frameworks</b>	Spring, Express.js, Reactjs
<b>Development tools</b>	Android Studio, Eclipse JEE, VS Code, Maven, npm, git, Jira
<b>Productivity</b>	Bitbucket + Pipeline, Jira, Confluence
<b>Cloud Services</b>	AWS S3, Firebase FCM
<b>Containerization</b>	Docker
<b>Orchestration</b>	Kubernetes
<b>Web container</b>	Apache Tomcat
<b>Environment</b>	MacOS, Ubuntu
<b>Database</b>	SQL (MySQL, Postgres), NoSQL (MongoDB replication, transaction)

## STRENGTHS

- > Brave, self-motivated, proactive, detail-oriented and customer-focused
- > Possessing strong leadership, a clear analytical mind, an acumen, good teamwork, and continuous improvement mindset
- > Having problem-solving, critical thinking skills
- > Having strong passion for innovation and emerging technologies
- > Fair verbal and written English communication skills
- > Able to make presentations to groups, in conferences in English
- > Able to handle multiple priorities
- > Able to work independently or as a team
- > High adaptability with fast-paced environments
- > Worked in Japan, willing to allocate and work overseas
- > Familiar with Agile methodology

## PROFESSIONAL EXPERIENCE

Jan. 2018	<b>Software Engineer (Contractor), TMA SOLUTIONS, Ho Chi Minh City</b>
Mar. 2018	<b>Project :</b> BlueCat Networks - a desktop app for DNS/DHCP management, allocating IPs
	<b>Role :</b> member of a 6-member team
	<b>Contributions :</b>
	> Maintain, develop new features for BlueCat DNS/DHCP Server
	<b>Result :</b> the contributed was recognized and delivered to the customer.
	<div>Java Swing Eclipse Maven</div>

Mar. 2018	Product owner, scrum master
Mar. 2019	<p><b>Backend Engineer, VULETECH , Ho Chi Minh City</b></p> <p><b>Project :</b> Unilever Vehicle Management System (UVMS) is an AI-based plate recognition and container management platform that helps reduce paperwork and automate the checking process</p> <p><b>Role :</b> leader of a 3-member team (Scrum master)</p> <p><b>Contributions :</b></p> <ul style="list-style-type: none"> <li>&gt; Follow Agile methodology to manage team and develop the product</li> <li>&gt; Support and supervise technical of development teams</li> <li>&gt; Analyze requirements, design system architecture</li> <li>&gt; Set up infrastructure, design and implement database, APIs</li> <li>&gt; Integrate Artificial Intelligence (Vehicle and plate recognition) and Cameras</li> <li>&gt; Propose web and AI server configuration</li> <li>&gt; Deployment the web app, AI process and delivery</li> <li>&gt; Monitor system, fix bugs, backup and migrate database</li> </ul> <p><b>Result :</b> the developed system was deployed and are being used stably at <b>Unilever Vietnam Factory</b></p> <p>Agile with Trello Spring MVC Hibernate MySQL Tomcat Restful</p>
Mar. 2019	Software Engineer, BLOCKHIVE VIETNAM.,JSC , Ho Chi Minh City
Sept. 2019	<p><b>Project :</b> Subaru Auto Accessories (SAA)</p> <p><b>Role :</b> one of the main contributors in a 6-member team</p> <p><b>Contributions :</b></p> <ul style="list-style-type: none"> <li>&gt; Design screens, write SQL Queries, implement data binding and interaction logic of a sales application of SAA.</li> <li>&gt; Write Oracle-to-SQL tool to ease the attempts to convert SQL statements</li> </ul> <p><b>Result :</b> the contributed was recognized and is being developed further.</p> <p>.NET (C#) WPF MyBatis Oracle DB MSSQL</p>
Sept. 2019 Now	<p><b>Software Engineer, ZMP VIETNAM Co., LTD. , Ho Chi Minh City</b></p> <p><b>Product :</b> Robo Data Platform, an SaaS, one of the key products of ZMP Inc. The platform provides users with post-processing services, various analysis tools and algorithms that can apply to measured data from sensors in Autonomous Industry</p> <p><b>Role :</b></p> <ul style="list-style-type: none"> <li>&gt; Core member, main back-end one of a 5-member team</li> <li>&gt; Product owner &amp; scrum master (some features)</li> </ul> <p><b>Contributions :</b></p> <ul style="list-style-type: none"> <li>&gt; Regulate project's settings, coding style, structure, documents</li> <li>&gt; Apply AGILE continuous learning principle</li> <li>&gt; Plan (design DB, APIs, Front-end, workflow, deployment, migration) → Push issues to Backlog (Product/Sprint) → Estimate &amp; assign members → Create increment (implement, support, QC) → Release</li> <li>&gt; Build, regulate base, core modules shared among services, and utilization</li> <li>&gt; Build infrastructure : scheduled jobs, queued jobs, integration event system, cache, db storage, file storage, auth, generic paging-sorting-filtering query and aggregation framework, .etc</li> <li>&gt; Investigate and apply new technologies : Swagger, HATEOAS, MongoDB replication &amp; transaction</li> <li>&gt; Research, integrate mathematics, ML algorithms like FFT, Object Detection, Octave</li> <li>&gt; Containerize and deploy (Docker, AI model), in CPU/GPU environment. Deploy owned services in Kubernetes</li> <li>&gt; Design, implement, quality-checking React components</li> <li>&gt; Collaborate with in-Japan members to design, apply algorithms</li> <li>&gt; Review, refactor code</li> <li>&gt; Worked at <b>ZMP Japan</b>, in <b>Tokyo</b> from Dec. 2019 to Feb. 2020</li> </ul> <p><b>Result :</b></p> <ul style="list-style-type: none"> <li>&gt; Released increments of 3 owned features</li> <li>&gt; Implemented back-ends of 5/9 features.</li> <li>&gt; Some product's increments has been released, demonstrated to stakeholders, and continuously developed.</li> <li>&gt; Based modules has been shared with other teams</li> <li>&gt; A demo has been successfully performed at <a href="#">ZMP World 2020</a></li> </ul> <p>Agile (Scrum) RESTful HATEOAS Swagger Reactjs Nodejs Typescript Python  MongoDB Replication &amp; Transaction Kubernetes Docker AWS Redis RabbitMQ PubSub Caching  Workers (Nodejs-Python) AI Integration Digital Signal Processing pm2 Shell MATLAB/Octave</p>

### PARALLEL PROGRAMMING IN JAVA

JUNE 19, 2020 – AUGUST 9, 2020

 [Certificate](#)  [Course](#)

- › Offered by Rice University, verified by Coursera
- › Instructors : Prof. Vivek Sarkar, Department of Computer Science
- › Grade Achieved : 98.50/100
- › Expiry : No

[Dataflow](#) [Parallel Computing](#) [Java Concurrency](#) [Data Parallelism](#) [Parallelism](#) [Determinism](#) [Data race](#)

### ACHIEVING ADVANCED INSIGHTS WITH BIGQUERY

JUNE 21, 2020 – JULY 13, 2020

 [Certificate](#)  [Course](#)

- › Offered by Google Cloud, verified by Coursera
- › Instructors : Google Cloud Training
- › Expiry : No

[BigQuery](#) [Google Cloud Platform](#) [Cloud Computing](#) [SQL](#)

### SOFTWARE PROCESSES AND AGILE PRACTICES

MAY 11, 2020 – JULY 7, 2020

 [Certificate](#)  [Course](#)

- › Offered by University of Alberta, verified by Coursera
- › Instructors : Kenny Wong, Associate Professor, University of Alberta
- › Expiry : No

### ADVANCED RELATIONAL DATABASE AND SQL

JULY 1, 2020 – JULY 2, 2020

 [Certificate](#)  [Course](#)

- › Offered by Coursera Project Network, verified by Coursera
- › Instructors : Harrison Kong, Subject Matter Expert/Instructor
- › Expiry : No

### GOOGLE CLOUD PLATFORM FUNDAMENTALS : CORE INFRASTRUCTURE

MAY 17, 2020 – JUNE 30, 2020

 [Certificate](#)  [Course](#)

- › Offered by Google Cloud, verified by Coursera
- › Instructors : Google Cloud Training
- › Expiry : No

[Google Compute Engine](#) [Google App Engine \(GAE\)](#) [Google Cloud Platform](#) [Cloud Computing](#)

### AGILE WITH ATlassian JIRA

MAY 17, 2020 – JUNE 19, 2020

 [Certificate](#)  [Course](#)

- › Offered by Atlassian, verified by Coursera
- › Instructors : Steve Byrnes, Instructional Designer
- › Expiry : No

### RESTful API WITH HTTP AND JAVASCRIPT

MAY 11, 2020 – JUNE 19, 2020

 [Certificate](#)  [Course](#)

- › Offered by Coursera Project Network, verified by Coursera
- › Instructors : Harrison Kong, Subject Matter Expert/Instructor
- › Expiry : No

[Representational State Transfer \(REST\)](#) [JavaScript](#)

## GETTING STARTED WITH GOOGLE KUBERNETES ENGINE

MAY 17, 2020 – JUNE 21, 2020

[Certificate](#) [Course](#)

- > Offered by Google Cloud, verified by Coursera
- > Instructors : Google Cloud Training
- > Expiry : No

## BUILDING SCALABLE JAVA MICROSERVICES WITH SPRING BOOT AND SPRING CLOUD

MAY 11, 2019 – MAY 31, 2019

[Certificate](#) [Course](#)

- > Offered by Google Cloud, verified by Coursera
- > Instructors : Google Cloud Training
- > Expiry : No

[Qwiklabs](#) [Runtime configurations](#) [Cloud SQL](#) [Cloud Spanner](#) [Stackdriver](#) [Cloud Pub/Sub](#) [Cloud APIs](#) [App Engine](#) [Prometheus](#)  
[Kubernetes Engine](#)

## VERSION CONTROL WITH GIT

MAY 11, 2020 – MAY 17, 2020

[Certificate](#) [Course](#)

- > Offered by Atlassian, verified by Coursera
- > Instructors : Steve Byrnes, Instructional Designer
- > Expiry : No

[Version Control Bitbucket Command-Line Interface](#)

## SOUTHEAST ASIA MACHINE LEARNING SCHOOL

JULY 8, 2019 – JULY 12, 2019

[Course](#)

- > Instructors : top-tier international machine learning experts
- > Expiry : No

## PUBLICATIONS

### BLE-BASED INDOOR POSITIONING SYSTEM FOR HOSPITALS USING MiRINGLA ALGORITHM

2019

[stdjet.scienceandtechnology.com.vn](http://stdjet.scienceandtechnology.com.vn)

P. Le Van Hoang and V. Quang, "BLE-based Indoor Positioning System for Hospitals using MiRingLA Algorithm", Science & Technology Development Journal - Engineering and Technology, vol. 2, no. 1, pp. 46-59, Sep. 2019.

## ACHIEVEMENTS

### THIRD PRIZE IN BACH KHOA INNOVATION 2019

MAR. 15, 2019 - JUN 30, 2019

[Bach Khoa Innovation 2019](#) [Viral Video](#) [Gallery](#) [on Life in TMA](#) [Fanpage](#)

Bluewave team has won the 3rd prize with project "BLE-based Indoor Positioning System"

## PROJECTS

### GO MULTI-ROOM CHAT

2020 - 2020

[Github](#) [dockerhub](#)

**Project :** chat Application provides users with ability to join an existing room or another new room via QR Code.

**Role :** primary contributor in the Real-time Multi-room Chat Application written in Go.

#### Contributions

- > Design, and implement back-end's logic like generating a unique QR code for each room, managing rooms.

**Result :** first version Go-First-Pet supports real-time updated messages, multi-rooms, QR code containerized by Docker was published on my public Github repo. An docker image has been published to DockerHub and gained more than 40 pulls from the community.

[Golang](#) [MVC](#) [WebSocket](#) [Docker](#)

## LANGUAGES

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Vietnamese ● ● ● ● ●

English (TOEIC 835/990) ● ● ● ● ○

## “ REFERENCES

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**Dr. Truong Quang Vinh**

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