

Le-Van-Hoang PHUONG

Backend Engineer

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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

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- | | |
|-----------------------|--|
| Sep. 2021 - Now | Ho Chi Minh City University of Technology - VNU-HCM (HCMUT).
Master of Computer Science
Faculty of Computer Science and Engineering |
| Sep. 2015 - Jun. 2019 | Ho Chi Minh City University of Technology - VNU-HCM (HCMUT).
Bachelor of Engineering (Honours) 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

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

STRENGTHS

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- › 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

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

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

CERTIFICATES

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

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

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

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

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

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

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

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

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

Vietnamese ● ● ● ● ●

English (TOEIC 835/990) ● ● ● ● ○

“ REFERENCES

Dr. Truong Quang Vinh

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