Le-Van-Hoang PHUONG
Backend Engineer

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ℹ 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

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

> 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-sovling, 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 Mar. 2018	**Software Engineer (Contractor), TMA SOLUTIONS, Ho Chi Minh City**
	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.
	Java Swing Eclipse Maven

Mar. 2018
 	
Mar. 2019
	Product owner, scrum master
	Backend Engineer, VULETECH , Ho Chi Minh City
	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
	Role : leader of a 3-member team (Scrum master)
	Contributions :
	  › 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
	Result : the developed system was deployed and are being used stably at **Unilever Vietnam Factory**
	`Agile with Trello` `Spring MVC` `Hibernate` `MySQL` `Tomcat` `Restful`

Mar. 2019
Sept. 2019
	Software Engineer, BLOCKHIVE VIETNAM.,JSC , Ho Chi Minh City
	Project : Subaru Auto Accessories (SAA)
	Role : one of the main contributors in a 6-member team
	Contributions :
	  › 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
	Result : the contributed was recognized and is being developed further.
	`.NET (C#)` `WPF` `MyBatis` `Oracle DB` `MSSQL`

Sept. 2019
Now
	Software Engineer, ZMP VIETNAM CO., LTD. , Ho Chi Minh City
	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
	Role :
	  › Core member, main back-end one of a 5-member team
	  › Product owner & scrum master (some features)
	Contributions :
	  › 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
	Result :
	  › 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
	`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`

💻 CERTIFICATES

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

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 anther 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) ● ● ● ● ○

66 References

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