

# Bùi Duy Quốc Nghi

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## About me

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*"I want to understand things clearly and explain them well."*

## Work experience

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### Chotot - Viet Nam

January 2016 — August 2016

#### Senior Backend Engineer

Chotot.com is a child company of 701Search Pte Ltd, a media company, which develops and operates online marketplaces in Southeast Asian region. I worked at the core back-end team to develop micro-services for both production features and internal platform tools. Also, I was involved in R&D tasks to developed machine learning services.

- Developed Rest APIs to support Mobile app.
- Developed platform tools to support development, monitoring and deployment process.
- Researched and integrated existing ElasticSearch service with new Vietnamese tokenizer plugin.
- Wrote provisioning scripts to deploy services effectively.
- Wrote unit test, integration test, end-to-end test to improve the platform.
- Developed a spam detection engine by using supervised machine learning techniques.
- **Technologies used** : NodeJS, Python , Docker , Ansible , Fabric, PostgreSQL , MongoDB, Redis , Jenkins , Consul , Swagger, ELK Stack, InfluxDB, CouchDB, RabbitMQ , Kafka, Elasticsearch.

### Atlassian - Viet Nam

January 2015 — September 2015

#### Research & Development Engineer

- A part of JIRA Service Desk team to develop plugins for Service Desk , which is a plugin base on JIRA.
- Involved in all processes of Agile development.
- Released Service Desk automation feature, which uses for spontaneous tasks grouping
- **Technologies used** : Java, Scala, Spring, Struts, OSGi, JUnit, Mockito, Maven, Java Selenium WebDriver, jQuery, jQuery UI, UnderscoreJS, BackboneJS, Single Page Application, Google Closure Templates, QUnit, Karma, PostgreSQL.

### Kwangwoon National University - Korea

August 2014 — January 2015

#### Research Assistant

Qualified in an exchange program to work as a graduate researcher at Kwangwoon National University, Korea. Assign into a project to research about Network Function Virtualization (NFV), OpenStack to develop new generation of data center solution.

### VNG - Viet Nam

June 2013 — July 2014

#### Software Engineer

A part of Zalo team, which is building the most used OTT service in Viet Nam , to develop backend services for internal usage.

- Assigned to Zalo team to build up and maintain ZaloPage , which is an extended service of Zalo.

- Developed the ZaloPage SDK.
- Developed APIs to produce and consume messages between services.
- Developed internal tools for monitoring the applications.
- **Technologies used:** Java, Jetty, Spring, MySQL, Ajax, HTML, CSS, JUnit, Apache Thrift, Linux, Redis.

## Education

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### PhD in Information System

August 2016 — Now

Singapore Management Univertisy

Research Areas:

- Machine Learning for Software Optimization
- Applied Deep Learning into Programming Language Processing

### Advanced Program in Computer Science

September 2009 — October 2013

Ho Chi Minh University of Science - Viet Nam

Advanced Program in Computer Sciences - Bachelor in Computer Science

GPA : 8.6/10 - 3.7/4.0

## Technical Skills

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- Languages: Java, Javascript, Scala, C/C++, Swift, Python, Matlab
- Operating Systems: UNIX (Linux), Windows, MacOS.
- DevOps: Docker, Ansible, ElasticSearch
- Machine Learning: Sklearn, Tensorflow, Apache Spark ML-lib
- Source Control: Git, SVN

## Qualifications

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- Research scholarship at Kwangwoon University - Korea
- Ph.D scholarship at Singapore Management University - Singapore

## References

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- <https://bitbucket.org/bdqngghi>
- <https://github.com/bdqngghi>
- <http://www.linkedin.com/pub/nggh%E1%BB%8B-b%C3%B9i/59/607/b83>
- <http://stackoverflow.com/users/2760331/xtiger>