

# DUNG. PHAM QUAN TIEN

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## Languages and Technologies

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- Proficient: **Java (8)** (1 year+), **React** (1 year+), **JS, HTML, CSS** (2 years+).
- Intermediate: **Spring, Servlet**, Hibernate, Thrift, MySQL, ElasticSearch.
- Exposure: Nodejs, Golang, C/C++, Python, Kafka, Redis, Redux, Angular
- Other: Data structures and algorithms, Linux / Unix, MacOS, Nginx, Security
- Tools: VSCode, IntelliJ, Git, Jira, Kibana, Grafana, Postman, Docker, SSH...

## Work Experiences

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### LINE Coporation

*Backend Developer, Full-time*

*Oct. 2020 - Now*

- Developed a service that helps operators track metrics of machine learning models.
  - Design database structures (MySQL), develop API(s)
- Built a system that tracks user feedback on LINE ads.
  - Migrating some features from Golang (Gin) to Java (Spring).

### Zalo Group - VNG Corporation

*Software Engineer (Full-stack), Full-time*

*Aug. 2019 - Sep. 2020*

- Built an SSO system based on OAuth flow and Zalo's 3rd login API:
  - Implemented an SSO server to handle user sessions.
  - Implemented a Java + Angular library support 3rd integration.
  - Found a security issue of Zalo's 3rd login API which can lead to a fishing scenario.
- Built an SSH Permission management system, which manages about 1200 servers at Zalo:
  - Implemented a datastore server using Java (Servlet) to persist data in Zalo's in-house key-value database, and Elasticsearch for the search feature.
  - Implemented an API server using Java (Servlet), and communicate with the datastore server through Apache Thrift.
  - Designed and implemented a UI using React and Ant.design for both desktop and mobile.
- Built an activity monitoring tool like Kibana's discover:
  - Deployed Elasticsearch hot-warm cluster to limit storage size.
  - Implemented an API server using Java (Servlet), and Elasticsearch for query millions of logs.
  - Designed and implemented a feature-rich UI with friendly UX using React and Ant.design which easy to use and understand.
- Participate in the first sprint of the Employee Management (HRBP) system, where I did:
  - Designed architecture and database schema (MySQL).
  - Implemented a datastore server and an API server using Java (Servlet).
  - Designed and implemented UI using React and ElementUI for both desktop and mobile.

### ZaloPay - VNG Corporation

*Software Development Collaborator, Full-time*

*Feb. 2019 - Jul. 2019*

- Participate in developing website <https://docs.zalopay.vn> (JAMStack + Golang).
- Technical support for Merchants to successfully integrate ZaloPay into their system.

*Software Development Fresher, Part-time*

*Oct. 2018 - Feb. 2019*

- Learn Golang, Linux, Docker, Microservice, Nginx, ZaloPay models...
- Convert a small service from Java (Spring) to Golang (Beego).
- Made some UI according to the design using HTML/CSS/JS.

## ELCA Vietnam

*Java Web Intern, Full-time*

*Jul. 2018 - Sep. 2018*

- Learn Java 8, Servlet, Spring Framework, ORM, Hibernate, MySQL, HTML/CSS/JS, TypeScript, Angular 6...
- Implemented a simple project management system using what I have learned.

## Projects

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### Anti-Plagiarism CMS

*Full-stack developer, Freelance*

*Oct. 2020 - Now*

- Built a simple anti-plagiarism CMS which prevent collaborators from entering content similar to the content that already exists in the database
- In this project I work as a Full-stack developer, who build the whole website from scratch using:
  - MySQL for data persistent
  - Elasticsearch (more\_like\_this) and "Dice similarity coefficient" algorithm for anti-plagiarism checking
  - Nest.js at Backend, JWT Authentication, Swagger, RESTful API
  - React.js at Frontend, Ionic framework for mobile-first UI

### Nhadatxacthuc.vn

*Full-stack developer, Freelance*

*Oct. 2019 - Dec. 2019*

- Joining 2 other members (1 PM, 1 Data Engineer), we strive to provide our users with an authentic and trustworthy real estate website by using AI... but for some reason, we canceled this project
- In this project I also build the whole project from scratch using:
  - MySQL for data persistent
  - Express.js at Backend, JWT Authentication, RESTful API
  - React.js at Frontend, Ant.design for User/Admin UI
  - Integrate with the AI server through RESTful API

## Achievements

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- Third prize, WebDev Hackathon 2019 (UIT).
- Second prize, Olympiad in Informatics for Vietnamese students 2017.
- Second prize, Olympiad in Informatics for HCMUS students 2017.
- Hackerrank Gold medal in Problem solving
- Hackerrank Gold medal in SQL

## Education

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### University of Science

*Ho Chi Minh city, Vietnam*

- Major: Information Technology, GPA: 8.52/10.
- Academic club.