DUNG. PHAM QUAN TIEN

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Languagues and Technologies

- Programming languages: **Java, Javascript / TypeScript**, Golang, Elixir
- Frameworks / Libraries: **Spring Boot, Hibernate, Nest.js, React.js**, Tailwind.css
- Databases / Queues: **MySQL, Elasticsearch**, Postgresql, MongoDB, Redis
- System: **Docker, Nginx**, CI/CD, ELK, CDN
- Languagues: Vietnamese, English

Work Experiences

MCVGo

Full-stack Developer (Java + React), Full-time   *Vietnam, June. 2021 - now*

- Build a realtime interactive system to organize gaming sessions like Kahoot, Confetti (Facebook)
  - Apply Actor model (Akka) to optimize concurrency
  - Support multi-instances where each instance can handle 10k concurrency users on a machine have 8GB RAM 4vCPU
- Configure the CI/CD system using Github Actions for the whole team
- Configure the logging system using ELK with hot-warm-cold architecture to optimize storage capacity
- Architectural proposal for notifications system
- Lead a small team of 1 backend developer and 1 intern

SWAT Mobility

Backend Developer (Elixir), Full-time   *Remote (Singapore), Apr. 2021 - May. 2021*

- Developed a Slack rate-limiting and persisting message by using RabbitMQ and Elixir (Phoenix)
- Convert features from Golang to Elixir

LINE Coporation

Backend Developer (Java), Full-time   *Vietnam, Oct. 2020 - Apr. 2021*

- Developed a service that helps operators track metrics of machine learning models.
  - Optimize old queries to reduce RAM consumption by 50%
  - Design new tables (MySQL), and develop API(s)
- Built a system that tracks user feedback on LINE ads.
  - Migrate features from Golang (Gin) to Java (Spring).

Zalo Group - VNG Corporation

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

ZaloPay - VNG Corporation

Software Development Collaborator, Full-time   *Vietnam, 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   *Vietnam, 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   *Vietnam, 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

CGHunt.net

Full-stack developer, Freelance   *Sep. 2021 - Pending*
• Built a 3D models shop, which allow users sell those 3D models on our website like sketchfab.com.
• In this project I work as a full-stack developer, who build the whole website from scratch using:
  - MongoDB for data persistent, Elasticsearch for full-text searching
  - Nest.js for Backend, JWT Authentication, Swagger, RESTful API
  - React.js for Frontend, Mantine for UI, and Tailwind.css for styling
  - GC storage for storing 3D models, GC VM for deployment

Anti-Plagiarism CMS

Full-stack developer, Freelance   *Oct. 2020 - Nov. 2020*
• 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 for Backend, JWT Authentication, Swagger, RESTful API
  - React.js for Frontend, Ionic framework for mobile-first UI
  - Deploy on AWS EC2

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 for Backend, JWT Authentication, RESTful API
  - React.js for Frontend, Ant.design for User/Admin UI
  - Integrate with the AI server through RESTful API

   - Deploy on Digital Ocean Droplet

Achievements

- 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

University of Science

Ho Chi Minh city, Vietnam

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