Ho **Phat**

SOFTWARE ENGINEER · FULL STACK

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"This is your life and it's ending one minute at a time. "

Summary

Software Engineer at ZALORA, Asia's leading online fashion destination presenting in Singapore, Indonesia, Malaysia, the Philippines, Hong Kong, and Taiwan. 5+ years of algorithm background since high school. 4+ years of experience specializing in frontend/backend development, infrastructure automation, and microservices. Super music-nerd who loves Rock, Metal and enjoys playing around with the latest technologies while listening to music. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Skills

DevOps	AWS, Docker, Kubernetes, Terraform, Jenkins, CircleCI, Travis, Github Action
Code Quality	Codecov, Scrutinizer
Back-end	Express, Spring MVC, REST API, Swagger, MongoDB, MySQL
Front-end	React CRA, Nextjs, Redux, SASS, Jest, React testing library, React Native, Cordorva
Programming	Javascript, Node.js, Golang, JAVA
Languages	English, Vietnamese

Work Experience

ZALORA Group   *Ho Chi Minh City*

FULLSTACK SOFTWARE ENGINEER   *10/2019 – now*

- Owning, maintaining and developing features for Zalora website on mobile devices in 6 countries.
- Working with state-of-the-art search engine in order to ensure that every search query in Zalora delivering meaningful and helpful results for customers.

LITE (WEB MOBILE)

Tech Stack: React CRA, Redux, Travis, DangerJS, BundleSize, Terraform, AWS Codebuild, AWS Lambda, AWS S3, Spinnaker, Scrutinizer, Lighthouse

- Released Earth Edit and Luxury and they are contributed to 15 % of total ZALORA Q3 2020
- Optimized service worker so that it worked for 6 countries and for 3 environments (instance/staging/production) without conflicting
- Moved building process from Jenkins to AWS Codebuild
- Rewrited Proxy to enable easy development from any environments
- Optimized/Filtered noise in error logs in Sentry
- Optimized bundle size under 150KB for main and 32KB for other chunks
- Added/Fixed proper eslint rule for the whole project
- Built deploying pipeline for releasing to staging/production with Jenkins
- Built bot instance with AWS Lambda to help QA/Dev to deploy ticket easily to instance environment

COSTA

Tech Stack: Golang, Docker, Solr, AWS ECS, Newrelic, Sentry, Grafana, AWS Cloudwatch

- Supported A/B testing for Learning to Ranks with Solr, third party Datajet, and many other features
- Reduced error rate on Newrelic to less than 1%
- Helped to improve caching with in-memory
- Moved Costa architecture from in-place deployment EC2 to ECS blue-green deployment
- Supported to refine errors and logging in Newrelic and Sentry

DEK Technology

FULLSTACK SOFTWARE ENGINEER & SCRUM GUARDIAN

Ho Chi Minh city

04/2018 – 10/2019

Tech Stack: Ymer, Nodejs, Docker, Kafka Confluence, EFK, Kubernetes, Jenkins, Cassandra

- Helped Scrum master to facilitate team, and came up with a solution to improve team performance
- Maintained and developed feature for Davis, a visualization tool helping people to have a statistic view of test cases executed by Jenkins.
- Launched and built Kafka connectors to actively pull the result from Jenkins using XPATH selectors and send the records to a Kafka cluster by interval.
- Researched optimizing backend data query time using hadoop HDFS + Apache Hive and compared with Cassandra.
- Deployed Kafka Confluence and Davis application (frontend + backend) to the provided Kubernetes cloud service.
- Developed a Logging system from a local machine using EFK stack (Elasticsearch, FluentD, Kibana), deployed also in Kubernetes
- Set up CI system using Jenkins and Gerrit and improve coverage of the source connector project to nearly 100% by refactoring project structure and adding Unit tests

Global Cybersoft

SOFTWARE ENGINEER FRESHER

Ho Chi Minh city

07/2017 – 04/2018

Tech Stack: Java, Java Swing

- Maintained and developed new features for the desktop application project helping to operate industrial printing machines using Java Swing.
- Drew a design diagram, writing test cases, fixed bugs on development tracks, and customer's requests.
- Worked closely with SE,QA,PM to resolve issues raised by customers asap.

SOFTWARE ENGINEER INTERN

06/2016 – 12/2016

Tech Stack: Spring MVC, Java, Hibernate framework, PostgreSQL, HTML/CSS, JQuery, JavaScript, Thymeleaf Bootstrap Framework

- Developed the surveillance system using Spring MVC framework in combination with Hibernate and PostgreSQL. The system will display recorded images from the camera after running them through the CV algorithm
- Worked as the core member of the team and helped to build the project structure from the beginning.
- Presented the demo of the project to stakeholders and clients by the end of each sprint.

Pet Projects

DeKal Portfolio

FRONTEND

Ho Chi Minh

11/2019 – now

- Built my portfolio project from scratch using the cutting-edge framework Nextjs.
  Tech Stack: Nextjs, DangerJS, CircleCI, Vercel, Lighthouse, Scrutinizer
- Configured app deployment with Vercel.
- Configured CI/CD pipeline with Github, DangerJS, Vercel, CircleCI, and Scrutinizer
- Configured performance CI tool with LightHouse. The performance test will run on opening/updating a pull request.
- Adding simple release mechanism and CHANGLOG.md to track the versions.
- Visit my page at *here.*

BACKEND + CMS

- Built an api backend using Spring MVC Framework allows frontend to fetch neccessary configs and blogs from MongoDB.
  Tech Stack: Spring MVC, Java, DangerJS, CircleCI, Heroku, Swagger, Codecov, Gradle, React CRA, Redux, MongoDB
- Integrated a CMS frontend to allow users to easily do modifications/add/update data.
- Built mechanism to include CMS frontend bundle from Reactjs into static resources to serve with Spring MVC.
- Deployed using Heroku pipeline Review - Staging - Production.
- Configured CI/CD pipeline with Github, DangerJS, CircleCI, Heroku, and Codecov.
- Built a release script with net.researchgate.release and Git Changelog Gradle.
- Setup Swagger to document apis.

Boot Career

TECH LEAD & SCRUM MASTER

United State

08/2020 – now

- Re-architect the old application with ReactJS and refactor it to better project structure with Redux ToolKit.
- Defined team rituals, team working process on tech side and way of workings following Agile Scrum.
- Splitting tasks by features and coordinating members to work on it.
- Helped to refine the working process and removed impediments.

Jobseeker Dashboard

- A web application for helping people from non-traditional backgrounds and underrepresented communities get jobs in tech
  Tech Stack: React CRA, Redux Toolkit, Storybook, eslint, lerna, React Testing library, CircleCI, Netlify
- Re-architect the old application with ReactJS and refactor it to better project structure with Redux ToolKit.
- Broke down the design part by part and coordinated team members to do the task.
- Setup CI/CD with Circle CI, Eslist, and Netlify.
- Setup a storybook, to isolate components for independently development.
- Built a proper project structure based module and good global state management flow.
- Built a release pipeline with CHANGLOG and github tags.

User Service

- A Nodejs Application to store data of candidate and user signing up to the system.
  Tech Stack: Typescript, Nodejs, Express, Toolkit, Eslint, Terraform, Github action, Heroku, MongoDB
- Re-architect and convert the whole application built with Nodejs Express Framework from Javascript to Typescript.
- Integrated Swagger with the backend service.
- Setup CI/CD with Github action, Eslist, and Heroku pipeline.
- Built a new project using terraform to manage the infrastructure of the whole organization (Infrastructure as Code).

Popswap   *Sweden*

Freelancer   *06/2020 – 09/2020*

- Maintained the application allowing people to swipe for swapping clothes and items like Tinder.
  Tech Stack: React Native, Redux, Android, IOS
- Refactored/redesigned the application with new looks.
- Restructure the structure of the React Native application, adds new scripts to deploy, remove tricky hack of the old owner and create a smooth environment for development.
- Removed old/stale features that existed in the application.
- Added integration with swish bank and developed new premium features with Google and Apple store.

Live Guess   *Ho Chi Minh city*

Team Lead   *3/2019 – 5/2019*

- Built a system to allow users guessing based on events using ReactJS.
  Tech Stack: ReactJS, Webpack, Redux, Docker, Apache Cordorva
- Use long-polling to sync events continuously with the current time.
- Create the UI with interactive timer and lively interaction.
- Used Cordorva to build an application version based on the web mobile app for android
- Built docker container to deploy directly on Client server

Research work

Analyzing and Detecting Sentiment of Readers through their Comments on News Articles in Vietnamese

Graduate Thesis   *3/2017–9/2017*

Key words: Sentiment Analysis, Crawler, Online Press, Comments
Our thesis targeted the data from VNExpress's comment for sentiment classification. The data was collected from comments into the database automatically at the specific time of the day by the crawler built in the server. After the crawling process, with SVM, we labeled data into sentiment values (positive, negative and neutral). Finally, we build a web system using Java in order to extract the evaluated data.

Honors & Awards

Vietnam

2015	**12th Place,** ACM-ICPC VietNam Southern Provincial Programming Contest	*Ho Chi Minh city*
2013	**2rd Place,** Olympic cấp trường Khoa học tự nhiên	*Ho Chi Minh city*
2012	**3rd Place,** Học sinh giỏi cấp thành phố	*Ho Chi Minh city*
2011	**1rd Place,** Học sinh giỏi cấp thành phố	*Ho Chi Minh city*
2011	**3rd Place,** Tin học trẻ	*Ho Chi Minh city*

Education

Vietnam University of Science *Ho Chi Minh city*

Bachelor of Science in Computer Science and Engineering *2013 - 2017*

• Degree Classification: Very Good

English Certificate *Ho Chi Minh city*

TOEFL ibt *2015*

• 85 pts

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