Pham Hoang Tuan
Senior Data Engineer

Last update: March 15, 2020

The online version is available at
  https://phamhoangtuan.github.io/cv

Residence
Singapore

LinkedIn
https://www.linkedin.com/in/phamhoangtuan

Email
phamhoangtuan.it@gmail.com

Languages
Vietnamese, English

Professional Experience

SP Digital, Singapore

Senior Data Engineer

Feb 2019 - Present

- Upgraded data infrastucture to newer version in production with no downtime in 3 months.
- Took full ownership of a new system to collect, transform and feed useful information to a data science model, which can predict when the electric meter need to be replaced and reduce false alarm for operation team. As a result, time to train model is decreased by 30% and the accuracy is increased by 45%.
- Created coding standards for SQL that helps team members easier to read and review. Moreover, a platform to manage SQL effectively is suggested as an effort to improve code performance and readability.
- Developed python scripts to monitor data automatically and reduce MTTR (Mean Time To Repair) of data lake.

`Python` `Java` `Talend` `Hadoop` `Hive` `Spark` `HBase`

Honestbee, Singapore

Data Engineer

Sep 2016 - Jan 2019

- Developed a data pipeline to collect users' orders information, users' behaviors and other third parties data, process them and store in Datawarehouse. As a result, BI team always have clean and accuracy data to show in their reports.
- Optimized queries to increase overall performance by 25% for product ranking and recommendation system.
- Maitained legacy data infrastructure and ensure its high availability for other dependent data services.

`Python` `AWS` `Airflow` `Postgres` `Docker` `Mesos` `Looker`

Review: Nick Young, Head of Data

Crayon Data, Singapore

Data Scientist Intern

Aug 2015 - Mar 2016

- Developed web crawler with Python libraries to collect data automatically from e-commerce website. As a result, data team can have many raw data to process and train data models for product improvement.
- Implemented a novel extractor to retrieve websites' information based on HTML structure in under 5 seconds per website.

`Python` `Java` `MySQL`

Review: Vivek Rensol, Product Director

FPT Software, Ho Chi Minh City, Vietnam

Software Engineer

Jun 2013 - Dec 2014

- Developed a mobile app that useful for salemans to track their performance and reduce paper works. Customers' feedback is 80% positive in general.
- Improved web portal legacy code with Javascipt best practices to increase API response time by 50%.

`C#` `Javascript` `Sencha Touch` `Silverlight`

Education

Master degree in Knowledge Engineering, NUS, Singapore [2015 - 2016]

Bachelor degree in Software Engineering, FPT Software, Vietnam [2009 - 2013]