

Van-Duyet Le | Resume


Vietnam | Year of birth: 1995 | e: me@duyet.net

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I'm a **Data Engineer** with 4+ years of experience. Currently, I'm helping Fossil Group with a Terabyte-scale Data Platform based on Kubernetes. Knowledge of data engineering concepts and best practices. Familiarity with state-of-the-art data and cloud technologies.

Experiences


OCTOBER 2018 - CURRENT

Data Engineer – *Fossil Group Inc* 

Joined Fossil as a Data Engineer, promoted as the leader of the Data Platform Team (4DE & 1DA) in the 2nd year.

- Maintained, saved a couple of thousand dollars each month by refactoring and adding optimizations to the Data Platform (Kubernetes-based, AWS, Kafka, Airflow, Spark) with ~10TB/month of processed data in near-real time. Transforming data into Data Warehouses, visualize data with Google Data Studio.
- Proactively suggest, develop and integrate new tools to the Data Platform. Design and build the services for Data Monitoring, Data Catalog, and Self-service Analytics.
- Work with the product & development team to understand the requirements to design the analytics solutions.
- Technologies: Python, Typescript, Rust, AWS (S3, Redshift, SQS), GCP (Firebase, BigQuery, Data Studio), Kubernetes, Helm, Apache Airflow, Apache Spark, Apache Kafka.

JUNE 2017 - OCTOBER 2018

Data Engineer – *FPT Software* 

Working on the Recommendation System (RS) and Data Lake project

- RS project: develop a Data Pipeline to process 2TB/day of data by AWS services (EC2, S3, EMR, Lambda, Spark), Using ElasticSearch to serve RS models with CI/CD by CodePipeline and CodeBuild.
- Data Lake project: develop a Data Pipeline on MS Azure, build the ETL Databricks Workflows using Data Factory and Azure Functions, transform data into Data Lake with 1TB+/day.

SEPTEMBER 2016 - JUNE 2017

Data Engineer – *John von Neumann Institute - Vietnam National University* 

Main contribution: Team member of two projects:

- Headhunter Company
 - Develop the data pipeline, clean data, and implement the Machine Learning models (provided by Data Scientist) for the Candidate-JD Matching problem (Python, ElasticSearch, Cloudera, Word2vec).
 - Visualization: hiring competitiveness, ideal candidates, etc., using RShiny, D3js, and Python.
 - Project: [Skill2vec - Relevant Skills from Job Description](#): It transforms skills to new vector space, which has the characteristics of calculation and presents skills relationships.
- Advertising Network Company
 - Predict users' Demographics from tracking data (Movie ads network) using Apache Spark on the self-managed Hortonworks Data Platform.

OCTOBER 2014 - SEPTEMBER 2016

Full-stack Developer – *Information System Lab, UIT* 

Working on many projects: contribute to Ad Platform project (RTB core using Nodejs), Web Crawler for Opinion Mining, Research and Develop websites using Nodejs, D3js, Kafka, Socket, etc.

Skills

Data Engineering: Apache Spark, Apache Kafka, AWS (EMR, S3, Redshift), GCP (Firebase, BigQuery, Data Studio), MS Azure (Azure Function, Data Factory, Databricks), Python, Javascript.

DataOps: Kubernetes, Apache Airflow, Helm/FluxCD, Prometheus/Grafana.

Frontend + Backend Engineering: Javascript, TypeScript, Reactjs (basic), Python, SQL/NoSQL.

Education

2018 - NOW

Master's degree, Computer Science | **University of Information Technology - HCMC**

JUNE 2013 - 2017

Bachelor's degree, Information System | **University of Information Technology - HCMC**

Thesis: *Build a network of career skills and support an optimal job search.*

Awards

Third Prize “Entropy 2016” – *John von Neumann Institute (VNU).*

The first competition of Data Science in Vietnam 

Third Prize “FOSS 2015” – *Hanoi University of Business and Technology.*

Free and open-source software (FOSS) competition.

Final round “Creative IT Camp 2013” – *University of Information Technology (VNU).*

Innovation and Programming hackathon competition.

References

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