



DUC (BRUCE) NGUYEN


SUMMARY




Proposed and followed up solutions with clients. Prepared technical documents for acceptance and delivery.
Handled Terabytes of data to gain crucial insights for e-commerce, transportation, education, and oil industries.
Built & lead a team with 15 geeks of DevOps, Fullstack, QA, and designer to finish the MVP within 6 months.
We build things, NOT me. Products/Features are developed with data facts, NOT assumptions.


CONTACT



 Vietnam (EU Blue Card)

 (+358) 504-092-295

 (+84) 354-401-062

 duyduc1110@gmail.com



SKILL

- **ML Stacks:** Pytorch, Tensorflow, HuggingFace, Distributed Training, WandB
- **Big Data:** Kafka, Hadoop, Scala, Zookeeper
- **Database:** Postgres, kSQL, MongoDB, MySQL, SQL Server
- **Back-end:** Flask, Node, Express, React
- **Programming:** Python, Typescript, Go, R, Javascript, C
- **Management:** Jira, Confluence, Notion
- **Design:** Figma, Xd, Sketch

EDUCATION

[Software Project Manager \(Agile, Scrum, Kanban, DevOps\)](#) certificate from LinkedIn

University of Eastern Finland

Applied Physic
Ph.D.

Taipei Medical University

Data Science
Master of Science

Bach Khoa University

Industrial Management
Bachelor's degree



WORKING EXP



References available upon request: Head of Engineering @ OOLAB / Ex-CEO @ Gojek Vietnam / CTO @ TTEK

ProMan x Lead D.Scientist

Rocsole @ Finland 01/22 ⇒ Now

- Defining tech roadmap, system architecture, and interviewing technical resources
- Integrating and merging plans for customers
- Lead a team of 2 Junior Data Scientist, 1 Backend & 1 Frontend
- Built the hybrid real-time tracking system (cloud & on-premises)
- Transformed old system (PHP, WebRoc) to edge micro-service streaming system (Kafka, Postgres, Dash, Docker, S3, Pytorch)

Senior Product Manager

OOLAB @ Vietnam 01/21 ⇒ 01/22

- Proposed and pitched web & mobile applications with clients
- Approved product designs, system architectures, and LTI standards
- Built product roadmap + recruited tech team
- Built the MVP within 25 sprints ~ 6 months. Currently, it is piloted in the biggest English Center in Vietnam
- Ensured products/features matching customer demands: end-user requirements + UAT interview

Product & Data Manager

TMU Lab @ Taiwan 10/19 ⇒ 12/20

- Consulted solutions of system & security with hospital BOD
- Leader of an A.I team (4 Researchers)
- Mentored and managed pre-trained model development in injury segmentation (lung cancer, and knee injury)
- Deployed neural network models as services to integrate with hospital systems
- Secured patient information with federated learning

Data Analyst

Lazada @ Vietnam 05/15 ⇒ 01/18



Senior Data Engineer

TTEK @ Vietnam 01/18 ⇒ 03/19



Product Manager

Gojek @ Indonesia 03/19 ⇒ 09/19

I have also been a **part-time lecturer** in Deep Learning/NLP/Data Engineer modules since Jul 2021

A.I PROJECTS

Due to some NDAs, I can only share some brief information. Details can be discussed during interviews.

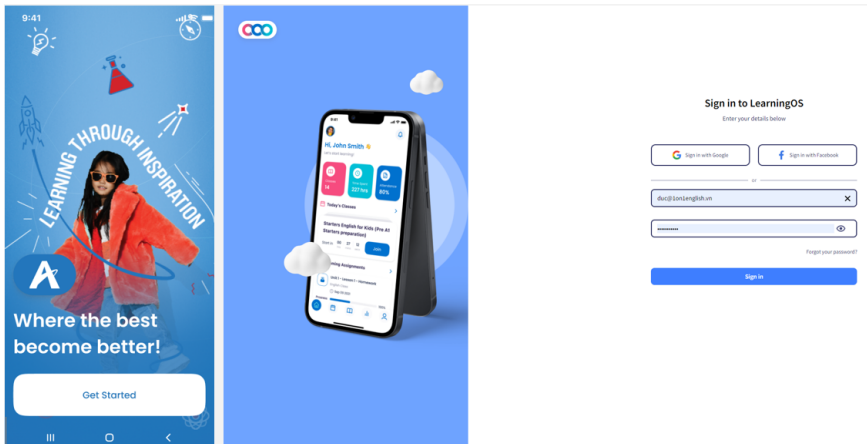


I lead/led **ALL** these projects as a Lead Data Scientist or Product Manager

Project

Aa Project Name	≡ Short description	::: Responsibilities	# Team size	≡ End-users
<u>Reinforcement Learning in Education Platform</u>	+ Client is #1 English Center in Vietnam + Recommend right assignments for students based on their previous's answer + Category students into groups with improvement suggestions for teachers/TA	Collect requirements LSTM NLP Pitch solutions Reinforcement Learning Transformers	15	40,000
<u>Applied AI in Food Delivery</u>	+ We are a big player in SEA + Provide a more accurate estimation delivery time based on real-time location/traffic + Customize search results & store recommendation from user tagging	Collect requirements Reinforcement Learning Time-series data	8	1,000,000 DAU
<u>Aspect-based Sentiment Analysis on Customer Reviews</u>	+ Client is a famous airline + Classify customer's satisfaction on 8 aspects from their reviews to measure campaign's efficiency	A.I Core Development Collect requirements NLP Pitch solutions Reinforcement Learning Transformers	4	= #user of that airline
<u>Knee-injure segmentation in MRI Images</u>	+ Client is a big hospital in Taiwan with 3 Image Diagnostics Centers + Segment areas with high-risk injuries on MRI images + Secure patient information + Improve model performance without exposing MRI images/metada	A.I Core Development Computer Vision Federal Learning GAN Pitch solutions Resnet	4	20 as clinicians are the one who using it, NOT the patient
<u>Liquid Detection in Seperator</u>	+ Client is biggest oil & gas player in Europe + Oil from under-sea/land are pumped to seperator. Here's our role to distinguish gas, oil, emulsion, water, and sand in real-time	A.I Core Development Collect requirements Pitch solutions Resnet Time-series data Transformers	5	This is B2B so it's just ONE

PROJECTS



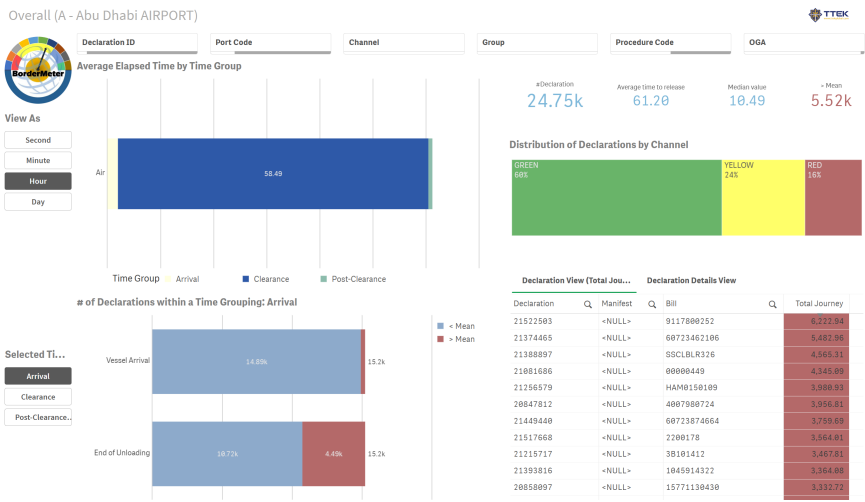
Learning Experience Platform

COVID has hit us hard and our product will help you (as a centre, school, ...) from offline to online smoothly

Tech stack: Flask, React Typescript, Flutter, PostgreSQL, Kubernetes, Metabase, H5P, AWS

My role:

- Pitched and proposed solutions and integration plans for clients
- Worked closely with stakeholders (CEO, client's CEO CTO) to define scopes of MVP
- Created road-map and prioritized features for the development
- Review mockup & wireframe from Design team
- Made sure products had been built with end-user needs by conducting end-user interviews and UAT
- Wrote user-manual and guide support team



Deposit Thickness Alert System

You have an undersea oil pipeline (like Nord Stream). Our product will run through this 100km “black gold” pipeline and help you to decide if it’s the right time to clean it or not

Tech stack: Pytorch, Kafka, Hadoop, AWS, Dash, Flask, PostgreSQL, ScalaPy

My role:

- Proposed products that fit with client environments
- Developed and tuned state-of-the-art A.I models for sequence-to-sequence
- Defined road-map and scopes
- Reviewed system architecture and data pipelines to integrate with client BE

Border Customs Control

Tons of goods are imported to your country through many procedures (air, land, sea) everyday. Using our system helps you monitor the whole journey in an effortless way; identify abnormal declarations/actions with alert

Tech stack: Qlik, PostgreSQL, Flask, AWS, Scala, Hadoop

My role:

- Proposed useful dashboards/stories for Customs
- Built data warehouse for Qlik modeling
- Developed data pipeline and loading scripts
- Balanced between loading data and processing time
- Demonstrated in several exhibitions and conferences

