

Thai Duong Le Nguyen

Data Engineer / Data Analyst

Intduongit@gmail.com 0396034135 yangdev.com github.com/Intduong linkedin.com/in/Intduong

88 Phuoc Thien Street, Long Binh Ward, Ho Chi Minh City

Summary

Data Engineer / Data Analyst with a background in full-stack development (PHP, ReactJS, Node.js, NextJS), now focused on building production data platforms. Experience designing dbt dimensional models and ClickHouse/PostgreSQL data warehouses, orchestrating ELT pipelines with Prefect, and migrating core banking data (Oracle to PostgreSQL) for digital banking products. Strong communication and teamwork skills developed through leadership and cross-functional collaboration.

Experience

Data Management and Business Reporting Expert · OCB – Liobank Mar 2026 – Present

Ho Chi Minh City

Liobank Data Warehouse & ELT Platform · Team size: 2

- Dimensional modeling (dim/fct/mart) in dbt-core/dbt-clickhouse for onboarding, credit limit, and transaction domains; incremental strategies for 100M+ row fact tables
- Prefect 3-orchestrated ELT pipelines, ClickHouse → PostgreSQL reporting layer, powering 20+ downstream reports
- Row-count audit framework and dbt test coverage for data quality; resolved production incidents via query tuning and retry/fail-fast orchestration

Lioxuly Request System · Team size: 2

- Designed system architecture and relational database schema (MySQL, SQLite)
- Built full-stack helpdesk platform from scratch (PHP/PDO, Tailwind CSS) with multi-level approval automation and a real-time admin analytics dashboard (Chart.js, CSV export)

Senior Specialist Data Engineer – Digital Core Banking · HDBank May 2024 – Mar 2026

Ho Chi Minh City

Digital Core Banking Transformation (Thought Machine) · Team size: 12 (Data, Backend, Integration)

- Built real-time, event-driven data layer supporting the transformation from traditional core banking to Digital Core Banking on Thought Machine
- Built API services connecting data and front-end layer (Java Spring Boot, Python)
- Migrated data Oracle → PostgreSQL using Debezium, including table structures, keys, and ETL
- Researched Lending and General Ledger business flows in banking

Senior Training System Development Specialist · VPBank FC

Aug 2020 – May 2024

Ho Chi Minh City

FE Training System (Moodle, PHP, MySQL) · Team size: 2

- Built internal training system: knowledge management, Trainer's Toolkit, Coach Toolkit, reporting, and training pathways
- Automated operational functions to reduce cost/resource use; code reviews and system integrations for other departments

FE Training App, Android + iOS (Ionic, Angular, Moodle) · Team size: 2

- Built and maintained mobile learning app: Coach Toolkit, Dating Coach, gamification, nano learning

AI Power Learner's Assistant (Rasa, Python) · Team size: 1

- Built and trained an AI assistant (Rasa platform) for FAQs and system guidance on web and mobile, integrated via API with the FE Training system

HR Services and Report (Oracle, MySQL) · Team size: 2

- Built HR reporting dashboards and data extraction from Oracle datamart
- Developed HR services: facial recognition, attendance, personal data processing, feedback surveys

Software Engineer · VINX Vietnam Co., Ltd

Apr 2019 – Jul 2020

Ho Chi Minh City

MDWARE System — retail distribution, Japanese market (Java/Struts, Oracle, SQL Server) · Team size: 14

- Customized and upgraded UI/UX for the retail distribution system
- Code reviews, bug fixes, teammate support, test case design and execution

Snipe-IT Asset Management System (Laravel 5.5, MySQL) · Team size: 4

- Built internal IT asset management system and its APIs
- Code reviews, bug fixes, teammate support, test case design and execution

UI/UX Developer · Mekong Data Company

Mar 2018 – Jul 2018

Can Tho

Magento eCommerce — clothing & cosmetics retail (Magento, PHP, MySQL) · Team size: 8

- Designed UI/UX and built brand management function in Magento
- Implemented responsive design and cross-browser compatibility; cross-functional collaboration with designers and PMs
- Code reviews, bug fixes, teammate support

Skills

Programming Languages	HTML	CSS	JavaScript	jQuery	Java	Python	PHP
Frameworks / Platforms	ReactJS	Node.js	NextJS	Bootstrap	Tailwind CSS	Moodle	
	Rasa Chatbot						
Databases	SQL Server	MySQL	Oracle	MongoDB	ClickHouse		
Data Engineering	dbt						
Tools	GitHub	Git	Docker				
Soft Skills	English Communication	Decision Making	Multi-tasking	Observation			

Education

Bachelor of Information Technology · Can Tho University	2014 – 2018
---	-------------

Certifications

EF SET English Certificate – 61/100 (C1 Advanced)	
efset.org/cert/ArtLEN	
OCB Star of the Quarter II	2026
OCB Team of the Quarter II	2026