TUAN
NGUYEN DUC
SOFTWARE ENGINEER

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💼 EXPERIENCE

TEAM LEADER – SOFTWARE ENGINEER| Larion – Research Technology
(Dedicated Team of WorldQuant)

WorldQuant is an investment firm founded in 2007, the firm is managing approximately $7 billion (as of 2021) in assets under management via quantitative trading and other methods of quantitative investing. Currently WorldQuant has over 600 employees spread across 23 offices in 13 countries. In Vietnam, there are 2 offices which are located in Ha Noi and Ho Chi Minh City.

(Only overall description of works and operations will be mentioned because of confidential information)

JUN 2021 – PRESENT
Promoted to be a leader of a team of 8 and then has growth to 12 members. Beside my daily tasks, I am also in charge of:

- Interview and train all new members
- Supporting teammates and guiding them through every obstacle they face during their works
- Generate team weekly/monthly reports to ensure the team always in good form

OCT 2019 – MAY 2021
As a software engineer, my daily tasks include:

- Operating systems that help quantitative researchers to develop prediction models for trading strategies and support them during their daily works
- Transform raw data from vendors into WorldQuant's unique data format for researching purposes
- Executing tests for prediction models to make sure they are qualified for trading
- Develop tools, CLIs for operation team to deal with issues that they face, or tasks require repetitively manual actions

Senior ODOO DEVELOPER | Trobz – KinderWorld Team
OCT 2018 – OCT 2019
KinderWorld offers a high-quality international standard of education for students from Pre-Nursery up to High School. Currently in Vietnam, there are 15 schools in total.

In this team, I was one of the key Developers, who implemented main features of the projects, including:

- School Management System:
  - Build the important processes of student service registration in the schools, such as bus, meal, enrolment, etc.
  - Integrate with the software aSc Timetables (one of the best timetable generators used in schools).
- Human Resource Management:
  - Implement and customize workflow of employee and contract management
  - Integrate with biometric device and synchronize employees with more than 30 machines
  - Build custom employee pay slip

ODOO DEVELOPER | Trobz – Canifa Business Intelligence Team
JULY 2018 – SEP 2018

My main tasks are:

- **Build Datamart**: support experts to build DataMart from production database of Canifa
- Visualizing data with **Tableau**: integrating the interactive data visualization tools with the DataMart to help Canifa understand their data and support their decision making.

Junior ODOO DEVELOPER | Trobz – Internal Project Team
FEB 2018 – JUN 2018

Within this period, I took responsibility for building systems and modules for internal usage, especially:

- **Accounting**: implemented features for Vietnamese Accounting with dynamic configurations. Lately, these modules were published in the repository *https://github.com/trobz/l10n-vn/tree/9.0-vas-contribute*.

Junior ODOO DEVELOPER | Trobz – Smartnet Team
MAY 2017 – JAN 2018

Smartnet specializes in personal financial services and insurance including referrals, consulting self-directed credit products, consumer loans, and insurance. During the project, I have experienced in:

- **CRM**: develop and customize Odoo native features to adapt to user needs such as managing their customers, controlling more than 3,000 leads per day, sale campaign automation, KPI management for about 5,800 employees, etc.
- **Odoo Website**: build web-based interfaces for their customers to requests for loans and insurances.

Junior ODOO DEVELOPER | Trobz – Canifa Team
OCT 2016 – MAY 2017

Canifa is a fashion company and operates in the field of export clothes which are mainly made from wool. Their products are popular especially in Northern Vietnam. Within the project, I mainly focused on:

- **Inventory, Sale and Purchase:** customize native modules to manage overall stock operation, handle large number of products and orders (by 2018, after one year running, there are 35,000 SKUs, more than 30,000 transactions/day in over 150 stores)

Trainee ODOO DEVELOPER | Trobz – Internal Project Team

JUNE 2016 – SEP 2016

Trobz has been one of the few Odoo's Official Partners since 2009. In the very first days at the company, my daily responsibilities include:

- Being trained and get myself familiar with Basic Odoo technical & functional knowledge

Work in internal projects & tools, which have been developed and used internally (mainly focus on Project Management & Human Resource Management)

EDUCATION

MASTER OF SCIENCE IN DATA SCIENCE
THE UNIVERSITY OF ARIZONA – ARIZONA, UNITED STATES

2022 – PRESENT

BACHELOR OF ENGINEERING IN INFORMATION TECHNOLOGY
INTERNATIONAL UNIVERSITY – VIETNAM NATIONAL UNIVERSITY - HCMC

2012 – 2018

Academic Project (Thesis): Building a Student Support System:

- Build an Odoo system, supporting Students to register for courses
- Teachers can manage classes, assignments and lesson schedules
- Students have efficient way to keep track on their assigned tasks and deadlines
- Integrate data mining with the system in order to predict graduation time of a student (more than 80% of accuracy)

LICENSES & CERTIFICATIONS

Applied Data Science I: Scientific Computing & Python (with honor)
WorldQuant University

Issued: Jun 2020

SKILLS

Tools & Technologies
- Odoo
- Python
- MySQL/PostgreSQL
- Tableau
- Rest API
- Data Science
- Scripting
- Linux
- Condor
- Jenkins
- Jira

Languages
- English

Interpersonal
- Teamwork
- Problem solving
- Responsibility

Industry Knowledge
- ERP
- Quantitative Trading