

Do Ngoc Tan

I'm a Software Engineer who has strong passion with innovation science and technologies

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EXPERIENCE

Rust OpenSource Contributor- For Fun: *Fluvio is a high-performance distributed data streaming platform that's written in Rust, built to make it easy to run real-time applications - <https://www.fluvio.io/>*

May 2023 - Now

- Contribute to fluvio opensource:
<https://github.com/infinyon/fluvio>

A Startup in Data Privacy — Lead Engineer(Rust,C++)

April 2023 - Now

Take the initiative to re-write system from JS to Rust

WorldQuant, Vietnam — Senior Engineer/Lead

Engineer(C++): *WorldQuant, LLC is an international hedge fund and quantitative investment management firm headquartered in Old Greenwich, Connecticut*

<https://www.worldquant.com/>

Nov 2020 - April 2023

- Write and maintain software to ingest and transform data for downstream consumption
- Process and analyze financial market data
- Lead a team of 15 developers in 5 countries, demonstrate leadership with training, code reviewing and propose solution for handling tasks
- Rust Evangelist of the firm.

Result:

- Solved many complex and important tasks
- Lead the team to achieve business target from quant reseachers sucessfully
- Gain promotion and good performance review from leader

SKILLS

Languages: C++20, Rust
Golang, Python, Javascript

Machine Learning:
Pytorch

Blockchain: Tendermint,
Cosmos, Ethereum.

AWARDS

Top Winner of Blockchain
Hackathon Event Hosted By
PolicyPal

LANGUAGES

Vietnamese, English,
French(basic)

Grasshopper Asia, Vietnam and Singapore — High

Frequency Trading Software Engineer(C++/Rust): *Grasshopper is a leading Singaporean proprietary trading firm providing liquidity in global markets*

<https://grasshopperasia.com/>

Aug 2019 - Nov 2020

- Being as a first C++ Vietnamese Software Engineer, and built the C++ team in Vietnam that working closely with Singapore team
- Maintain and implement High frequency connectivity module of both market data and order execution connecting to exchanges: CME(implemented ILink3 protocol), SGX, OSE, TSE
- Finish the implementation of order execution module connected to CME via Ilink3 protocol.
- Re-write some execution modules in Rust

Result:

- Gained the very good performance evaluation from head of engineering
- Save for the company's cost 5000 USD every month by utilizing existing Corvil data vendor

ShareRing, Vietnam — Senior Blockchain Engineer: *The world's first trusted token for sharing services. One way to pay for sharing everything, no matter what it is or where you are.*

<https://sharering.network/en>

Feb 2018 - Jul 2019

- Building company's own blockchain platform from scratch based on Tendermint and Cosmos-Sdk using Golang
- Writing client library for mobile and web front-end/Back-end by NodeJs to interact with ShareRing blockchain. I also write a new JS library for the Tendermint Community: <https://github.com/TanNgocDo/Js-Amino>

Mauna Kea Technologies, Vietnam and Paris — R&D

Software Engineer: *Mauna Kea Technologies is a global [medical device](#) company focused on [endomicroscopy](#). Their flagship product-Cellvizio is the advanced technology generates optical biopsies using the world's smallest flexible microscope, providing clinicians with microscopic images of tissue instantaneously and in a minimally-invasive manner*

<http://www.maunakeatech.com>

Feb 2014 - Feb 2018

- Develop cross-platform software for Cellvizio Medical Device and Viewer software for researcher in Desktop

- Coaching and training for team member
- Apply Design pattern and software architecture rigorously for Company's Core Framework
- Research Deep Learning technique for medical image classification.

Result:

- Contributed successfully to the architecture design and coding phase of company framework as well as new product development
- Received excellent performance review every year

Codix, Vietnam — C & SQL Developer

<https://www.codix.eu/en>

July 2013 - Feb 2014

Develop Enterprise Solution Software for Financial European Organization: bank, factoring company, Insurance Corporation
etc

Renesas, VietNam — Embedded Software Engineer

<https://www.renesas.com/sg/en/>

March 2012 - July 2013

Develop Multimedia Platform on Embedded Linux Operating System for Automotive system

EDUCATION

Ho Chi Minh University of Science, Software Engineering

Sept 2008 - Sept 2012

Coursera

Deep Learning Specialization:

<https://www.coursera.org/account/accomplishments/specialization/certificate/T7D7ZQLJCF5E>