

EDUCATION

- **FPT University**

Bachelor of Engineering in Software Engineering; GPA: 7.2/10.0

Hanoi, Vietnam

Sep. 2010 – Feb. 2015

EXPERIENCE

- **Shopee**

Senior Software Engineer

Singapore

Mar 2021 - Present

- **Coins:** Maintained the user's coin wallet and transaction. Integrated with partner to redeem loyalty point to coin. Handled reconciliation to make sure accuracy of the financial transactions.
- **Flash Sale:** One of the key type in Shopee promotion systems. Did migration the reading data flow from Redis instead of MySQL for the critical endpoint, which help reduce 35% (P99) latency.
- Mentored other team members, did sharing and promoted the industry best practices.

- **Xfers**

Senior Software Engineer

Singapore

Mar 2020 - Mar 2021

- Helped team to migrate data and define the responsibility when evolving the system to micro-service architecture.
- **SSO:** Developed Single Sign On system from the scratch, which help to increase security, scalability, and end-user experiment.

- **TJTech**

Software Engineer

Hanoi, Vietnam

Jun 2018 - Mar 2020

- Was one of the first engineer of the team, who built a crypto trading system from the ground up.
- **Matching Engine:** Is heart of the trading platform systems, handling matching different types of orders. Proposed ideas and optimized to make a robust and scalable engine.
- **Market Maker:** Implemented strategy to generate market orders
- **Price Engine:** Collect price feeds from multiple sources and provide a mechanism for price models.
- **Admin Portal:** Simple and efficient portal for operators to control all settings of the system.
- Interviewing, onboarding and mentoring new hires, help company scale from 0 to 15 engineers.

- **Coc Coc**

C++ Software Engineer

Hanoi, Vietnam

Jun 2017 - Jun 2018

- **Browser:** Forked and develop specialise-for-Vietnamese-market features from Chromium open source.
- Implemented the transfer file between devices feature using WebRTC, which increased 20 thousands of downloaded in just 2 weeks after launched.
- Spotted a legacy issue and improved it to reduce the browser loading time of 10%.

- **Toshiba**

Software Engineer

Hanoi, Vietnam

May 2015 - Jun 2017

- **Railway ticket vending machine:** Developed and shipped the software used to sale the railway ticket in Japan.
- **Tokyo broadcasting system:** Led a sub-team (4 members), which responsible for the module to delivery control message from operator to devices. With the successful of the project, customer decided to expand the business to more than 15 similar systems.
- Proposed idea and helped teams migrate from SVN to Git, which boosted the productivity and reduced potential loss/inconvenience for dev.
- Received best team awards for 2 continuous term (2015B and 2016A)

SKILLS

- **Languages:** C++, Golang, Python, SQL

- **Technologies:** MySQL, TiDB, Redis, Kafka, Grafana, Prometheus, gRPC, AWS