

SY TRAN DUNG

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PROFILE SUMMARY

I am a software engineer with 10 years of experience, skilled in web and application development using JavaScript and Python. I have a strong foundation in Linux administration and utilize it for efficient development workflows. My passion for programming extends beyond professional work, as I enjoy tackling challenging projects in C/C++. I am a firm believer in open source collaboration and actively contribute to open source software projects.

EDUCATION

BA of Computer Science

Ho Chi Minh University of Science

May 2016

PROFESSIONAL CERTIFICATIONS

JSNAD: OpenJS Node.js Application Developer

Issued by The Linux Foundation

Earners of this designation demonstrated the skills and expertise to competently use Node.js to create applications of any kind, with a focus on knowledge of Node.js core APIs.

May 2022

JSNSD: OpenJS Node.js Services Developer

Issued by The Linux Foundation

Earners of this designation demonstrated the skills and expertise to competently create RESTful Node.js Servers and Services (or Microservices) with a particular emphasis on security practices.

March 2024

LFD121: Developing Secure Software

Issued by The Linux Foundation

Developing Secure Software badge knows the practical steps that must be taken to counter most kinds of attacks. Using these steps, they create and maintain systems that are much harder to successfully attack, reduce the damage when attacks are successful, and speed up the response so that any latent vulnerabilities can be rapidly repaired.

March 2025

PROFESSIONAL EXPERIENCE

Investy.ai – Software Engineer

July 2022 – Present

- Assisted in designing the backend system for crypto portfolio management platform.
- Developed backend API using FastAPI and supported the frontend team in initializing the ReactJS frontend project.
- Developed the core trading engine to execute and track trading orders events.
- Converted and deployed trading strategies from notebooks to production ready services.
- Cooperated with Quantitative researchers to develop a strategy backtest system.
- Developed CI/CD workflows using Github actions and GCP cloud build.
- Set up a monitoring system including metric tracking and notification.

NAB Innovation Centre Vietnam – Senior Software Engineer

Nov 2021 – July 2022

- Developed an internal web application for the Corporate and Institutional banking system using ReactJS and NodeJS.
- Lead other junior members in the team by conducting sprint planning and code review.
- Conducted technical sharing about the V8 engine.

- Coordinated and discussed system design decisions with stakeholders in Australia and Vietnam.
- Applied profiling technique to improve NodeJS API service.

Nashtech

2016 –Nov 2021

• **Unified platform** – *Senior software engineer, team leader*

2018-2021

- o Developed a regression algorithm for the ads optimization system.
- o Developed a pipeline system to process ads event data using Kafka.
- o Develop a web application and API for a unified ads management platform using ReactJS, Go and NodeJS.

• **Tabcorp** – *Senior software engineer, team leader*

2017-2018

- o Frontend lead
- o Rewrite legacy racing console application using ReactJS

• **Loan market** – *Software engineer*

2016-2017

- o Developed frontend web application for lending using ReactJS

TECHNICAL SKILLS

NodeJS | Fastify | ReactJS | Python | Pandas | Numpy | FastAPI | Git | GCP | Docker | Terraform | Linux | Go | Postgres | BigQuery | Shell scripts | Vim |

OPENSOURCE CONTRIBUTIONS

I am a strong believer in open-source software and am always eager to contribute more to the global developer community.

I have made numerous small contributions to libraries I've used in my work, including:

- React
- Platformatic
- ssh-chat
- owncast-admin
- chrome-extension-cli
- kitty
- php-parser

PERSONAL HOBBIES

I enjoy writing blog posts about interesting technical challenges I encounter daily or at work. This helps me gain a deeper understanding and, at the same time, can assist others facing similar issues.

I am very passionate about music; when I'm alone, I enjoy singing or playing the bamboo flute.