

# TRAN VAN TU

## SENIOR SOFTWARE ENGINEER

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## WORK EXPERIENCE

### Senior Software Engineer

Merchize, Vietnam

📅 Nov 2018 - Jul 2022 (3 yrs 9 mos)

- Built a **high availability** and **scalable** eCommerce platform from scratch with **microservice** architecture and Kubernetes, serving more than **1,000+** active stores and thousands of daily orders.
- **Reduced costs** by 60% each month by converting the system from single-tenant architecture to **multi-tenant architecture** and using **spot instances** provided by Amazon.
- Collaborated with the SRE team to build fully **automated CI/CD** pipelines for code deployment using GitLab CI.

🛠 Node.js Next.js React MongoDB Redis RabbitMQ EFK  
Kubernetes Docker AWS

### Software Engineer

Foobla, Vietnam

📅 Sep 2017 - Nov 2018 (1yr 3mos)

#### Project: SpyBadass

- Built a system to crawl advertising from Facebook and provided valuable ideas to help sellers make decisions better.
- Launched the app to public users after 1 month and had more than 100 paid users after the first day.

#### Project: SpyAMZ

- Worked as a full-stack developer to develop a research tool, which is providing more than 120 million products updated ranking data daily from Amazon Merch on demand and is used by more than thousands of paid users.

🛠 Node.js React Puppeteer Redis MongoDB ElasticSearch

### Co-Founder & Instructor

UET Code Camp, Vietnam

📅 Feb 2018 - Jul 2019 (1yr 6mos)

- Volunteered, built, and taught two tech courses for 2 years with more than 60+ students at UET-VNU.
- First course: How to build a web app with React.js (2018).
- Second course: How to become a backend developer with Node.js (2019).

🛠 Node.js React MongoDB

### WordPress Developer

Foobla, Vietnam

📅 Jun 2015 - Aug 2017 (2yrs 2mos)

- Developed various plugins and themes for WordPress, which are on top best-selling items on ThemeForest (Envato).

🛠 PHP HTML5 Javascript SCSS MySQL Nginx

## EDUCATION

### Bachelor of Science - BS, Information Technology

VNU University of Engineering and Technology

📅 Sep 2013 - Jul 2017

📍 Vietnam

## ACHIEVEMENTS

### Best Employee of 2019

Awarded to the best engineer by Merchize.

### Special Award - Smart Hack 2016

Given by GMO-Z.com RUNSYSTEM.

### Second prize - UET Hackathon 2015 & 2017

Given by VNU University of Engineering and Technology.

## SKILLS & TOOLS

### Programing Languages

- Javascript, GoLang, Java
- HTML5, CSS3

### Frameworks / Platforms

- Node.js, Express, React.js, Next.js
- jQuery, Bootstrap
- Laravel, WordPress, WooCommerce

### Database Management Systems

- MongoDB, MySQL
- ElasticSearch, Redis

### Deployment / Infrastructure

- Docker, Kubernetes
- AWS, Google Cloud Platform, DigitalOcean
- Git, CI/CD