



Tri H. Nguyen

SENIOR SOFTWARE ENGINEER

Details

985/1A Lac Long Quan
Ho Chi Minh
VN
(+84) 0967 005 023
tri.nguyenhuu184@gmail.com

Skills

NodeJS	
Java	
Golang	
PHP	
Python	
React	
Communication	
Team-working	
Work independently	
Work under high pressure	
Problem-solving skill	

Languages

English	
Vietnamese	

Hobbies

Music, Movie

Profile

My name's Tri, I was born 1993 in Ho Chi Minh City.

Since 2016, after graduating from HCMUT, I have been working as a Software Engineer specializing in backend development (server-side). Starting my career from a startup after continuous learning, I had the opportunity to participate in various fields such as e-commerce, OTT, promotion, machine learning, etc. I mainly work with large datasets, seeking solutions to handle heavy processes with limited resources.

In addition, I often participate in software projects with friends in my free time. Here, I can design and operate a complete server. Thanks to that, I have become familiar with cloud providers such as GCP, AWS, Azure, Alibaba, DigitalOcean, etc.

I believe that my experiences will be an important addition to any project I participate in the future.

Employment History

Senior Software Engineer, FPT Software

JANUARY 2023 – PRESENT

In FPT Software, I work as an onsite developer at FRT for a drug store. My responsibilities include optimizing code and the system, as well as implementing new features specifically tailored for the drug store environment.

Senior Software Engineer, VNG

APRIL 2021 – DECEMBER 2022

Thanks to participating in mini-games on GAPO, I had the opportunity to join the promotion campaign team at ZaloPay. Here, I participated in creating a playground with interesting games, combined with tasks and attractive rewards to attract users. In the Mapcard Referral project at ZaloPay, I was responsible for managing and updating the system, writing unit tests, integration tests, improving performance, and restructuring the current code. Here, I used technical stacks such as Java, Redis, MySQL, Kafka, RabbitMQ.

In the professional environment of VNG, I experienced a standard software development process, with clear product roadmap and work plans organized by year, quarter, month, sprints, etc., very specific and detailed. Thanks to that, I had time to improve myself and balance work and life. I believe my experience will be a valuable addition to any project I join in the future.

- **Skills:** Apache Kafka · MySQL · Agile Methodologies · gRPC · RabbitMQ · Java · Redis

Senior Software Engineer, GAPO

AUGUST 2020 – APRIL 2021

Gapo - a social networking platform, I was assigned to the recommendation team (ML).

Here, I participated in projects related to page suggestions, friend suggestions, group suggestions, and video suggestions.

Despite facing many challenges, I always embraced them with the spirit of "embrace challenges".

As a result, after a period of time, I achieved successes such as learning a new language, Python, understanding how to build AI models, and prioritizing recommendations by assigning weights. Additionally, I also learned how to optimize resources, increase

processing speed, and reduce latency.

Furthermore, I also had the opportunity to participate in developing mini-games such as referral friends, completing tasks on the app to collect rewards, and lucky spin.

- **Skills:** Python (Programming Language) · Machine Learning · Artificial Intelligence (AI) · RabbitMQ · MongoDB · NodeJS · Redis · Problem Solving

Senior Software Engineer, Pops

MARCH 2019 – AUGUST 2020

At POPS company, I participated in building social media, video streaming, and content management system applications using NodeJS, MongoDB, and Redis. Here, the main focus is on technologies to optimize the loading of data, videos, and images as quickly as possible.

- **Skills:** MongoDB · NodeJS · Redis · Firebase

Software Engineer, Sendo

MARCH 2018 – MARCH 2019

NodeJS Developer

The chat application on Sendo is built using NodeJS with Socket.io and integrated with the artificial intelligence feature of FPT AI. My main task is to receive question messages from users through FPT AI and provide answers to customers. If users need to check information about orders, delivery status, etc., it will call the corresponding APIs to respond to users.

- **Skills:** RabbitMQ · Socket.io · NodeJS

PHP Developer

A customer information management page. Customers can access this page to update personal information, avatars, delivery addresses, favorite stores, and many other information.

- **Skills:** PHP · MongoDB · Redis

Golang Developer

The marketing application is developed using Golang to support the marketing team in filtering out target customers. This application can search for customers who have purchased technology products within the last 3 days, customers who have purchased products worth over 1 million VND, and many other conditions. After collecting requests from the CMS page, the requests will be stored and then filtered simultaneously according to the conditions by cronjobs. We use the rabbitMQ tool to collect data from all other sources.

- **Skills:** RabbitMQ · Go (Programming Language) · MongoDB · Redis

Fullstack Developer, Combros

JUNE 2016 – MARCH 2018

Combros is established by Engineers from Electrical and Technology of HCMC University of Technology in 2015 and specializes in automation, embedded technology and smart solutions with its head office in Ho Chi Minh City, Vietnam. At Combros, I participated in three different projects, including AVIGO, ONU, and Search Engine.

1. AVIGO project is a ride-hailing application similar to Grab and Uber. I used Java to develop the backend and PHP (Laravel Framework) for server-side rendering. My task

was to implement APIs to support mobile devices and user interfaces. I also learned and used Firebase to build push notification, SMS, and authentication functions.

2. ONU project is a search application for helpers, similar to the AVIGO project. I used the same technology, and my task was to implement APIs to support mobile devices and user interfaces.

3. Search Engine project focuses on filtering emails and searching for keywords. I wrote a script to log in and read all emails from the account, store them in a database, and build content management tools for users to filter and search information, as well as export data to Excel files.

- **Skills:** Java · PHP · MongoDB · PostgreSQL · Laravel · Redis
 - + API system (PHP)
 - + Frontend (PHP, HTML, CSS, Javascript)
 - + Login via Google and Facebook
 - + PostgreSQL

Freelancer

Senior Software Engineer , LôCô, San Francisco

JANUARY 2023 – PRESENT

Senior Software Engineer , Oxil, Melbourne, Australia

AUGUST 2018 – OCTOBER 2020

Senior Software Engineer

After participating in maintenance for some time, the application began to generate some new features, and I also participated in developing these new features, including:

+ Online payment integration + Email marketing + Notification (Firebase)

- **Skills:** NodeJS · Firebase

Maintenance Supervisor

This project involves conducting surveys for various organizations, governments, and companies, then draw charts for the survey results. When I joined Oxil, I held the position of Maintenance Supervisor. I supervised the maintenance of the existing system, and if there were any issues, I participated directly in troubleshooting the problems.

- **Skills:** MongoDB · PostgreSQL · NodeJS · Redis

Education

Computer Science & Engineering, HCMC University of Technology

2011 – 2016

- + Website and mobile development
- + Computer network
- + Information System
- + Embedded programming

Networks security, iSPACE Information Technology College

2012 – 2013

+ Hardware and OS (Linux)

+ Basic Electronics

+ Networks security

References

Tri H.Nguyen from HCMUT

tringuyencse@gmail.com | 0967005023