

# Huynh Anh Tuan

## Backend Developer



Last update: October 25, 2024



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AWS  
ES

NodeJS  
Redis

NestJS  
Docker

RabbitMQ  
Kubernetes

MongoDB  
CI/CD

MySQL  
Airflow

I am a backend developer, focusing on backend development. My ultimate goals are learn to design large-scale systems, optimize applications and lead successful teams. Love to refresh myself every single day, always hungry to keep learning!

## Education

### Ho Chi Minh City University of Technology

2017-2021

**Specialized:** Software Engineering

**Degree classification:** Very good

**GPA:** 3.5/4

**Toeic:** 550/990

## Professional Experience

### PNJ, HCM

Cloud Engineer

June 2023 - Present

Cloud Engineer of the the leading companies in Vietnam in the field of jewelry manufacturing and trading.

#### Responsibilities:

- Working on AWS (EC2, S3, RDS, Lambda, EKS, CloudFormation, CloudWatch, IAM, SQS, SNS, KMS, API Gateway, Route 53...)
- Designed and deployed backend services in Node.js on AWS Lambda, EC2, and EKS to handle high-load applications with a focus on scalability and reliability.
- Established CI/CD pipelines using AWS CodePipeline and GitLab CI/CD to automate deployments, reducing deployment times and increasing efficiency.
- Managed and optimized containerized applications using Docker and Kubernetes (EKS and Auto Scale) to support microservices architecture.

- Developed and maintained REST API services in Node.js and API gateway for a high-traffic e-commerce application, scaling to support Thousand of users.

#### Achievements:

- Achieved a 99.8% uptime for web operations and sales transactions by optimizing AWS infrastructure with load balancing, auto-scaling, and failover strategies, ensuring high availability for core business functions.
- Enhanced accounting payment workflows by integrating with multiple banking systems for batch payment processing, reducing manual work and accelerating transaction times for large-volume payments.
- Reduced deployment time by implementing automated CI/CD pipelines with AWS CodePipeline CodeBuild, resulting in faster, more reliable production releases.

Typescript NodeJS AWS EKS Docker MongoDB Mysql ES Lambda S3 RDS EC2

## YouNet Media, HCM

Backend Engineer

Aug 2021 - June 2023

Backend Engineer of the best company providing social media analytics solutions (Social Media Analytics) in Vietnam.

#### Responsibilities:

- Work on the E-commerce Intelligence project, develop services to collect and analyze sales of e-commerce sites. Most data come from E-commerce site like Shopee, Lazada, Tiki
- Working on microservice project using NestJS, RabbitMQ, K8s, Solr, MySQL...
- Handle and improve ELT services using NestJS with monorepo architecture and use Lerna to manage it
- Develop and implement cron jobs worker to compute raw data to analytics data
- Contribute solutions to improve data processing more and more efficiently
- Deep understanding of existing architecture data to solve problems or export adhoc data for customers

#### Achievements:

- Good completion handle and improve ELT services with more than **80 million documents** per day
- Develop and improve services to compute data and scalable
- Reduced compute data time for 1 week from **48 hours to 6 hours**
- Applied Apache Airflow to manage sequentially running data processing services
- Hosted tech talks. Topics: what is airflow and how it work?.
- Applied Slack to monitoring services
- Quickly handle data problems and support customer requests for data with more than **2 billion documents**

NestJS Typescript NodeJS Kubernetes RabbitMQ Docker Solr Mysql Airflow Google Bigquery

## 2359 Media, HCM

Backend Engineer Intern

May 2021 - July 2021

Backend Engineer Intern of Asia's leading digital consultancy and the preferred choice for cross platform engagement strategies.

#### Responsibilities:

- Learn git workflow, known and working with scrum agile
- Create the website allows you to zip the files you want to share with others or for yourself
- Deploy and apply CI/CD for website

### Achievements:

- Works well with git workflow and agile scrum
- Improve technical skill, coding better
- Complete the tasks on time
- Completion create and deploy website
- **<https://sharefilesz.herokuapp.com>**

NodeJS Express Javascript PostgreSQL Redis Socket io

## Certificates

- Mastering Agile Project Management course by Fresher Academy

## Soft Skills

- Communication and teamwork
- Withstand pressure of work
- Adapt quickly to new knowledge