

Tuan Anh Vo

Fullstack engineer

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About Me : tuankyou.com

EDUCATION

- **Ho Chi Minh City University Of Science** HCMC, VN
Bachelor of Engineering in Computer Science; GPA: 3.60/4 *Sep. 2015 – Sep. 2020*

EXPERIENCE

- **NAVER VIETNAM** HCMC, VN
Fullstack Engineer *Jan 2024 - Now*
 - **Java Spring as Backend:** Built and maintained RESTful APIs using **Java, Spring Boot, and Spring Cloud**, ensuring scalability and reliability across distributed systems. Utilized multiple Spring Cloud services such as Spring Cloud for AWS, Spring Data JPA, and Spring Data JDBC for seamless integration.
 - **Job Scheduling & Data Pipeline:** Developed job scheduling systems with **Python & Apache Airflow**, deploying and maintaining over 200 large-scale crawling tasks across platforms like YouTube, iTunes, Apple Music, Melon, and Google Trends. Combined with **Kafka** to handle asynchronous event-driven processing.
 - **Monitoring & Performance Tuning:** Implemented system observability using **Grafana, Nelo, and Pinpoint**, enabling proactive monitoring and performance optimization of backend services.
 - **DevOps & Deployment:** Hands-on experience with containerized environments: deployed and managed microservices with **Kubernetes (k8s) clusters**, automated delivery pipelines using **ArgoCD, Jenkins, and GitHub Actions CI/CD**. Configured and maintained **Docker, Nginx with TLS**, and independent services like **Vitess, MongoDB**.
 - **Database Design & Optimization:** Designed and optimized relational databases (**MySQL, PostgreSQL**), ensuring data integrity and high performance for large-scale systems. Applied indexing, query optimization, and sharding techniques for scalable workloads.
 - **Job Phoning Project:** Developed backend services for a mobile application supporting **notifications (fan-in/fan-out), newsfeeds and livestreaming**. Optimized database performance and implemented efficient notification delivery for large user bases.
- **Kite Metric** HCMC, VN
Fullstack Web Engineer *Sep 2020 - Dec 2023*
 - **Backend & Microservices:** Developed backend services with **NestJS** in a microservices architecture, integrating via **RESTful APIs**.
 - **Web Applications:** Built admin, customer, and monitoring portals with **React** and **Ant Design**.
 - **Data Infrastructure:** Designed internal **PostgreSQL** schema for insurance entities, and implemented data warehousing with **Amazon Redshift, ETL pipelines** using **AWS Glue**.
- **VNG Corporation** HCMC, VN
Associate Software Engineer *Aug 2019 - Aug 2020*
 - **Backend Development:** Built data collection and backend services in **Java/Python** using **Vert.x**, working with **GraphQL** to replicate and process large-scale Wikidata (1TB+).
 - **Database & ML Support:** Optimized data pipelines and database design to support rule-based and machine learning Question Answering systems.
 - **Solution Engineering:** Designed and delivered scalable backend solutions to meet complex business requirements.
- **Big-O Coding Center** HCMC, VN
Teacher Assistance - Part-time Job *Sep 2015 - Apr 2023*
 - **Teacher Assistance:** Instructed on algorithms and data structures. Authored and curated problem sets, complete with comprehensive test cases.
 - **Supporter:** Provided guidance and assistance to students in coding, debugging, and honing problem-solving skills

PROGRAMMING SKILLS

- **Backend** : **Java (Spring Boot, Spring Cloud)**, NestJS (strong), Python (Airflow, Data Pipeline), RESTful API Design, Microservices
- **Frontend** : ReactJS, NextJS, HTML/CSS/JS, TypeScript
- **Cloud & DevOps** : **AWS, GCP**, Kubernetes, Helm, ArgoCD, Jenkins, GitHub Actions, Terraform, Docker, Nginx, Vitess
- **Databases & Messaging** : **MySQL, PostgreSQL**, MongoDB, Redis, Kafka, Elasticsearch, Hadoop
- **Programming Languages** : **Java, TypeScript/JavaScript**, Python, SQL, C++, XML
- **Core CS Knowledge** : Data Structures & Algorithms (Heap, Sorting, DP, Graph Algorithms: Dijkstra, Bellman-Ford, Floyd-Warshall, DSU, KMP), System Design, Database Design & Optimization