

# Tran Duc Anh

## Web Developer

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### CAREER OBJECTIVE:

- Short-term: I aim to begin my career at the company as a Fresher Web Developer, where I can start with Frontend, Backend, or both. I will apply the knowledge I have gained to participate in real-world projects, improve my professional skills, and contribute to the growth of the company.
- Long-term: I plan to accumulate in-depth experience in Fullstack development, with the goal of transitioning to a DevOps role or becoming a Senior Fullstack Developer within 3-5 years. Additionally, I aim to become a team leader or solutions architect within 5-10 years.

### WORK EXPERIENCE:

#### Udata Company

7/2024 - 1/2025

#### Web Developer

- Developed and optimized **RESTful APIs** using **Node.js/Express.js**, integrating **MongoDB** databases for efficient IoT data processing. Worked with IoT systems, building communication solutions between IoT devices and servers using MQTT, ensuring real-time data processing. Developed and maintained web applications using and integrated **Next.js** with **RESTful APIs** and **WebSockets** for real-time IoT data visualization
- Utilized **Docker** and **Kubernetes** to deploy IoT applications, set up automated CI/CD pipelines with **GitHub Actions**, and deployed on **DigitalOcean**. Collaborated in a team environment using **GitHub**, actively contributing to proposing solutions for optimizing the IoT system and troubleshooting operational issues.

### EDUCATION:

#### Hanoi University of Science and Technology

9/2021 - Now

#### Mathematics and Informatics

Current CPA: 3.4

### SKILL:

#### Programing Language

Javascript, Python, C#, Java, Golang.

#### Frontend

Html, Css, Javascript, Bootstrap, Tailwindcss, ReactJS, ReduxJS, NextJS.

#### Backend

RESTful APIs, NodeJS, Mongoose, ExpressJS, NestJS, Java Spring Boot, .Net Core, Gin

#### Database

MySQL, PostgreSQL, Mongodb, Redis, Cloudinary, S3 AWS, Digital Ocean.

#### Devops

Linux, Docker, Github, Github Action, Gitlab, Jenkins, DockerHub.

PROJECT

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PERSONAL

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Ecommerce Microservice

GitHub: <https://github.com/ducanhduocdochu/e-commercee>

Built a scalable API eCommerce platform with microservices:

- Java Spring Boot (Identity, Product, Cart, Api Gateway): Spring Security, Spring JPA, Spring Cloud,...
- NestJS (Discount), Express.js (Scheduled Discount): Typescript, CronJob, Redis Stream,...
- Gin (Golang) (Order), .NET Core (Payment).
- MySQL, MongoDB, Redis, RabbitMQ for storage & messaging.

All service has coverage point > 93%, write Unit Tests, Isolation Tests, docs/docs-json API, docs API Postman.

PERSONAL

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Setup CI/CD, Monitoring

GitHub: [https://github.com/ducanhduocdochu/setup\\_cicd\\_monitoring](https://github.com/ducanhduocdochu/setup_cicd_monitoring)

Consisting of:

- Developed and implemented CI/CD pipelines for automated software deployment using GitHub Actions, GitLab CI/CD, and Jenkins. Integrated Docker, Git, and DockerHub for efficient containerization and version control.
- Designed and deployed monitoring systems with Prometheus and Grafana to track real-time system performance and metrics.

Built and deployed API-based applications, optimizing DevOps workflows for seamless collaboration and automation.

PERSONAL

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Fullstack Development for a Social Networking Website

GitHub: <https://github.com/ducanhduocdochu/social>

Designed and implemented a microservices architecture, consisting of:

- Auth-server: Provides APIs for authentication and authorization.
- Backend-server: Manages APIs for users, posts, comments, likes, shares, follows, friendships, and notifications.
- Web-socket-server: Handles real-time notifications using RabbitMQ and WebSocket.

Technologies used:

- Databases: MongoDB, PostgreSQL.
- Caching: Redis.
- Logging: Discord server.
- Frontend: Built with ReactJS, state management using Redux, and UI libraries.

PERSONAL

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Fullstack Development - Cloning the Dev.to Website

GitHub: <https://github.com/ducanhduocdochu/dev.to>

Developed a fullstack clone of the Dev.to website using the T3 stack, including:

- Frontend & Backend: Built with Next.js, authentication handled via NextAuth.
- API Communication: Integrated tRPC for seamless frontend-backend communication.
- Deployment: Hosted on Vercel, including database deployment.
- Image Storage: Utilized AWS and Cloudinary for media storage.
- Styling: Designed with Tailwind CSS for a modern and responsive UI.