Tran Duc Anh

Web Developer

Complete Complete

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.

PERSONAL -

Ecommerce Microservice

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

Built a scalable API eCommerce platform with microservices:

- Java Spring Boot (Identity, Product, Cart)
- NestJS (Discount), Express.js (Scheduled Discount)
- Gin (Golang) (Order), .NET Core (Payment)
- MySQL, MongoDB, Redis, RabbitMQ for storage & messaging

PERSONAL -

Setup CI/CD, Monitoring

GitHub: 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 -

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 -

Fullstack Development - Cloning the Dev.to Website

GitHub: https://github.com/DucAnhMoi/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.