



# TU NGUYEN



## Backend developer | Software engineer

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I'm a self-motivated Web backend developer with the business focus, the learning mindset, always ready for new challenges and 4+ years of experience in the system design and develop backend microservice system by Golang. Also researched and participated in building infrastructure in the software development process.

## KEY CAPABILITIES

- Proficient in Golang, could implement with high concurrency services and high performance that developing RESTful APIs, gRPC services, and WebSocket
- Experienced in working with the Linux operating system, WSL, SQL databases such as MySQL and PostgreSQL, NoSQL databases like MongoDB and Elasticsearch, as well as message queue services including AWS SQS, GCP Pub/Sub, and Kafka
- Experienced with Docker, container orchestration (Docker Swarm via Portainer), and has working knowledge of container management platforms such as Kubernetes, AWS ECS or serverless technologies such as AWS Lambda, and Serverless Framework
- Experienced in working with both GCP and AWS, capable of setting up multi-cloud communication through Cloud Identity
- Proficient in Terraform IaC, experienced in building infrastructure for projects using Terraform in combination with CI/CD tools such as GitHub Actions/Gitlab CI or CircleCI
- Besides my expertise in Go backend development, I have working knowledge of JavaScript (Nodejs) or Flutter and have contributed to using projects

## EXPERIENCE

### 05/2025 - Present: IDO E-commerce Services Limited Liability Company - Top 3 at Techfesh Vietnam 2025

*Domain: CRM System - Teamsize: 2 Frontend, 3 Backend - Position: Golang Backend Senior*

- Participated in developing chat modules, particularly the messaging feature for communication with the WhatsApp application via WebSocket (Whatsmeow)
- Redesigned the user authorization mechanism using RBAC (Casbin) and deeply integrated with Kong plugins (written in Lua) to support the Kong Gateway
- Participated in an outsourced project for a home spa booking application (for 2.5 months) as a full-stack developer, working on the Golang backend and coding the app in Flutter

Hiện thị tất cả ảnh

- Additionally, worked on various other features such as RFM reporting, OAuth 2 login with Google and Facebook, and addressed previous technical debts

## **01/2022 - 04/2025: Work at DAC Data Technology Vietnam JSC - The offshore of Hakuodo.Inc - Top 2 advertisement company at Japan**

*Domain: Marketing Message Distribute System - Teamsize: 6 Frontend, 4 Backend, 5 QC - Position: Golang Backend Developer*

- Developed modular programs such as batch jobs, cron jobs, webhooks and web services in microservice system using Golang and established communication between services with service, or with cloud such as API Gateway, Redis, SQS, S3, and GCS across different cloud platforms
- Established service communication between multiple clouds, specifically AWS and GCP using IAM/Cloud Identity
- Participate in batch performance optimization as well as database performance improvement
- Participated in system design, created basic and detailed designs using as PlantUML
- Create S3/GCP buckets, configure API Gateway, set up log monitoring and alerting through Datadog SaaS, and establish the connection between Fastly CDN and GCS using Terraform IaC
- Performed unit testing, configured to push to Docker image to registry and deployment to K8S using CI/CD tools such as CircleCI and GitHub Actions

## **06/2023 - 1/2024: Work evening parttime at UCTalent Labs - The champion of Vietnam Startup Contest 2024**

*Domain: Recruitment System - Teamsize: 2 Frontend, 2 Backend - Position: Golang Backend Developer*

- Contributed to developing UPP, specifically implementing the referral code feature and deploying it on serverless architecture using AWS Lambda
- Developing backend features using Ruby on Rails

## **EDUCATION**

### **04/2022: Graduated from Danang University of Science and Technology**

- Certificates achieved: PSM I (2022), JLPT N3 (2023)



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