

## Dao Duy Quys (Syuq) - Cloud Engineer

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### SUMMARY

I like building a system and optimizing performance.

Eager to learn and contribute to FOSS projects. I also spend time learning new technologies and best practices to become a Technical Architect.

### TECHNICAL SKILLS

**Programming Languages:** Go, Javascript, Bash

**Frameworks/Platforms:**

- Kubernetes, K3s, minikube, Kind
- Gin, Echo, Chi, Gnet and Express

**Database Management Systems:** PostgreSQL, MySQL, MongoDB, Redis and SQLite

**Infrastructure as Code:**

- Terraform, Pulumi, Ansible, Helm and Nomad

**Observability:**

- Grafana LGTM stack, Prometheus

**CI/CD pipelines:** Github Actions

**Cloud Platforms:** AWS, Heroku

**Foreign Languages:** English

**Others:**

- Microservices, Distributed Systems, Docker, and Elasticsearch
- I use Archlinux btw, GNU/Linux, RabbitMQ/Kafka.
- Swagger, Protobuf, gRPC, Raft and Vim

### PROFESSIONAL EXPERIENCE

**Project learning: Go Coffeeshop**

**6/2025 - present**

- **Description:** A practical event-driven microservices demo built with Golang. Nomad, Consul Connect, Vault, and Terraform for deployment
- **Technologies:** Go, Rabbitmq, gRPC, protobuf, Echo, DDD and Nomad.
- **Source:** <https://github.com/Syuq/go-coffeeshop>

**Project learning: Mini Service Mesh - Sidecar Proxy** **6/2025 - 9/2025**

- **Description:** Mini Service Mesh - Sidecar Proxy
- **Technologies:** Go, Envoy, Telemetry, Circuit breaker and gRPC proxy.
- **Source:** <https://github.com/Syug/mini-service-mesh>

**Project learning: Ecommerce-Backend-Nodejs** **6/2024 - present**

- **Description:** A simplified Ecommerce
- **Technologies:** Express, NodeJS, Webhook, JWT, Redis, MongoDB, Kafka, RabbitMQ and Microservice.
- **Source:** <https://github.com/Syug/ecommerce-backend-nodejs.git>

**IOTV (District 2) - Intern** **8/2024 - 11/2024**

**Project: cNotification - (1 member)**

- **Description:** Mobile application for factories to handle error notifications and incident reminder calls.
- **Technologies:** Dart, Flutter, Flutter Callkit Incoming, Firebase, http
- **Responsibilities:**
  - Researched and evaluated supporting libraries.
  - Designed and planned the codebase based on customer requirements.
  - Implemented core features, tested, and deployed the application.
  - Improved performance and user experience for faster operation.

**Project: HWASEUNGSpeech- (2 member)**

- **Description:** Text-to-audio middleware for factory error reporting.
- **Technologies:** Piper, C#, Mudblazor, ASP.NET
- **Responsibilities:**
  - Researched suitable supporting libraries.
  - Proposed solutions and contributed to web development tasks.

**Project: cVision - (2 member)**

- **Description:** Middleware running on company servers to read factory electricity and water meters.
- **Technologies:** LLM, AI on the Edge Device, Jupyter Notebook, Python
- **Responsibilities:**
  - Suggested the need for more powerful server-side hardware.
  - Researched and prototyped solutions aligned with customer requirements.

- Proposed a more accurate alternative solution requiring higher server capacity.

**Project: PhuocThanhPlastic - (3 member)**

- **Description:** Web application for a rubber factory.
- **Technologies:** C#, Mudblazor, ASP.NET, MQTT, SQL Server, MongoDB, Linux
- **Responsibilities:**
  - Contributed minor frontend modifications to improve usability and maintainability.

**Project learning: microservices-demo**

**1/2025 - present**

- **Description:** Sample cloud-first application with 10 microservices showcasing Kubernetes, Istio, and gRPC.
- **Technologies:** AlloyDB, DDD, GKE, gRPC, Spanner, Redis, and Istio.
- **Source:** <https://github.com/Syuq/ecommerce-backend-nodejs.git>

**EDUCATION**

**Quy Nhon University (QNU)**

**10/2020 - 2025**

- Studying IT - Software Engineer pathway

**PASTIMES AND ACTIVITIES**

- I am keen on reading books, Daily.dev, bytebytego, GitHub Awesome, Twitter, LinkedIn
- My other hobbies are blogging and System Architect, Github: [github.com/Syuq](https://github.com/Syuq)