



Anh Duy

SOFTWARE ENGINEER

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- Sport
- Travel
- Music

REFERENCES

After graduating from college, I was in charge of developing many projects, mostly auxiliary, for three consecutive years. When working with Japanese clients, I have had great experiences ranging from Japanese culture to Japanese working style. I want to leverage these experiences at your company to be motivated and contributor.

WORK EXPERIENCE

DEVSECOPS

Main responsibilities:

- Deploying a project to an Ubuntu server with GitLab CI/CD pipelines or Jenkins.
- Build docker images and push to private registry.
- Code Analysis and SAST and SCA, DAST using codelimite, trivy and snyk tools.
- I have practical experience in deploying and managing Kubernetes workloads, including Helm chart , Deployments, Services, Ingresses, Autoscaling, and Kubernetes-dashboards using kubespray.
- Kubernetes Update OS (kubeadm, kubelet) and Backup (ETCD) with multiple node (drain, cordon, uncordon) in cluster , make sure workload and high availability on VM .
- Troubleshooting in Kubernetes. (taint/ toleration , node selector, node Affinity, Daemon Set
- Pod , Static pod, ConfigMaps, Secret, ServiceAccount, RBAC, NetworkPolicy, JsonPath..
- Kubernetes with Istio service (Gateways, VirtualService, Envoy Proxy, Fault Injection) .
- I have recently set up monitoring and alerting for a Linux server using Prometheus,
- Alertmanager, Grafana, and sending notifications via Telegram. This allows me to proactive
- identify and resolve any system issues.(PromQL, LogQL, Service Discovery, Push Gateway,
- Alertmanager, Loki, ServiceMonitor, PrometheusRule),
- Managment VM with Ansible.
- Infrastructure as Code - IaC : Writing infrastructure as code using Terraform modules (AWS),
- Terraform Cloud with Agent and Sentinel Policy

Fullstack Developer

March 2025 - Present

YIWU-PASSPORT (義烏パスポート)

AI Chatbot Developer (support for ecommerce)

Designed and developed an AI-powered chatbot system capable of answering questions strictly based on trained documentation. The system uses embedding techniques to vectorize documents and past chat history between customers and employees, storing them in Qdrant for high-performance semantic search. The chatbot only responds if the query matches the trained data, ensuring precise and context-aware answers. Used Redis: Job queueing (e.g., message processing, training tasks) , Caching semantic search results to improve performance. Additionally, I implemented a community-driven Q&A feature, where users can join topic-based discussion channels. AI provides the initial response, while other users can also participate. The chatbot continuously learns from high-quality answers provided by the community to enhance future responses.

Amazon Seller Central Integration & SP-API Development

For deployment : I set up and maintained the infrastructure on AWS EC2 with a complete CI/CD pipeline using GitHub Actions. Key AWS services involved include Route 53 (DNS), VPC with public/private subnets, Elastic IP, security groups (inbound/outbound rules), and EBS volumes for data persistence. The system uses NGINX with reverse proxy and SSL for secure communication. The frontend

is served using PM2, while the backend—split into microservices—is containerized and orchestrated with Docker Compose, enabling inter-service communication.

Tech stack: Next.js (frontend with PM2), Laravel (backend), MySQL, MongoDB, Qdrant (vector DB), Docker, Docker Compose, Redis, GitHub Actions (CI/CD), NGINX, AWS EC2, Route 53, VPC, Elastic IP, SSL, EBS, security groups, microservices architecture.

FULLSTACK DEVELOPER

July 2022 - March 2025

CANVAS-ASIA-VIETNAM

Main responsibilities:

- Developed and maintained scalable applications resulting in a 30% increase in processing speed and a 25% reduction in downtimes.
- Led a team of 5 developers in a project that redesigned the architecture of a legacy system using microservices, improving system resilience and scalability.
- Implemented continuous integration and continuous deployment (CI/CD) pipelines using Jenkins and Docker, enhancing the development process and reducing the release cycle time by 40%.
- Consult all the tech teams in the company in specific projects
- I have experience in leading a team, taking responsibility for managing people, and organizing tasks to meet deadlines effectively. I also support team members who face challenges to ensure the successful completion of projects.

FULLSTACK DEVELOPER

May 2018 - Mar 2022

MEDIATECH-Vietnam

Main responsibilities:

WEB

- Manage digital design projects and work closely with clients to manage expectations, team roles, and the status of projects
- Make recommendations for Website improvements based on findings from site statistics
- Work with project stakeholders to develop mockups and translate them to HTML/CSS user interfaces
- Work closely with back-end developers to seamlessly hand off front-end code
- Develop responsive pages and templates for use in a WordPress development environment

Application(VB6. VB.Net)

- Customers, suppliers, product management
- Orders and orders
- Sales and deposit
- Purchase and payment
- Arrival, shipment, outsourcing acceptance, production planning
- Capture and output - Monthly / as needed processing
- Accounts payable

SOME OF MY PROJEC

Project: Go-ecommerce-backend-api

- Description: Logic for backend with login send otp via email, phone, enable 2FA and verify otp.
- Description: E-commerce website for selling shoes.

- Team size: 1
- My position: Build, Test, Scan security , Deployment.
- My responsibilities: Build
- Technologies used: Golang, Gin context, Log Handler(Viper, Lumberjack), Middleware, Redis(Sentinel, Master, Slave ,Publisher/Subscribers), Database(GORM, SQLC, Goose), OTP(send mail via AWS SES), Interface, Swagger, 2FA, JWT, GoRoutine(Chanel), CI/CD, Docker, K8s, Prometheus, Alertmanager, Grafana.
- Link:

Project full-stack shoe-shop

- Customer: Self-educated
- Description: E-commerce website for selling shoes.
- Team size: 1
- My position: Build, Test, Scan security , Deployment.
- My responsibilities: Build
- Technologies used: CI/CD, Docker, CodeLimate, Trivy, Snyk , Portus ,
- K8s, Prometheus, Alertmanager, Grafana.
- Link:

Project Tebot

- Description: Tebot can answer questions from scenarios or through API
- Team size: 2
- My position: Connect to Facebook messenger get questions and then respond from Tebot
- My responsibilities: code
- Technologies used: Html, CSS, Bootstrap5, SCSS, MySQL, Laravel Framework 8.0, facebook graph api(v16.0), docker, laravel echo server

Project Clean Security Service - Traffic

- Customer: Japanese Customers
- Description: Website for construction management, posting information
- Team size: 3
- My position: Developer
- My responsibilities: Code design and responsive, Custom theme WordPress adapt the design
- Technologies used: Html, CSS, Php, WordPress, SQL
- Link: <http://clean-kb.canvas-works.net/>

Project Fujibunka

- Customer: Japanese Customers
- Description: Website for school management, posting information
- Team size: 4
- My position: Developer
- My responsibilities: Code design and responsive, Custom theme WordPress adapt the design
- Technologies used: Html, CSS, Php, WordPress, SQL
- Link: <https://fujibunka.com/>

Project Hakari Shouten

- Customer: Japanese Customers
- Description: E-commerce website about machinery
- Team size: 6
- My position: Developer

- My responsibilities: Design and Responsive, Custom theme WordPress adapt the design
- Technologies used: Html, CSS, Php, WordPress, EC Cube framework ,SQL
- Link: <https://hakari-shouten.com/>

Project Noda

- Customer: Japanese Customers
- Description: Business management application
- Team size: 5
- My position: Developer
- My responsibilities: Inventory Management, Tax Management
- Technologies used: VB6, Vb.net, SQL

Project Lomonet

- Customer: Japanese Customers
- Description: Residential Area Management
- Team size: 4
- My position: Developer
- My responsibilities: Code design and responsive, Custom theme WordPress adapt the design
- Technologies used: Html, CSS, Php, WordPress, Framework, SQL
- Link: <http://www.ara-hk.com/lomonet/lomo/>

Project Kyu-Ichi

- Customer: Japanese Customers
- Description: E-commerce website about machinery
- Team size: 3
- My position: Developer
- My responsibilities: Design and Responsive, fix b
- Technologies used: Html, CSS, Php, Zend Framework, SQL, Ajax
- Link:

Project IRENT

- Customer: Japanese Customers
- Description: Company management, rental car, insurance, booking...
- Team size: 4
- My position: Developer
- My responsibilities: Design and Responsive, code follows customer requirements, rent a car...
- Technologies used: Html5, Bootstrap5, CSS, Php, Zend Framework3, MySQL, Ajax
- Link:

Project CENTRAL

- Customer: Japanese Customers
- Description: Company management, insurance, booking...
- Team size: 4
- My position: Developer
- My responsibilities: Design and Responsive, code follows customer requirements, booking rooms for meetings...
- Technologies used: Html5, Bootstrap5 ,CSS, Php, Zend Framework3, MySQL, Ajax
- Link:

Project Booking care

- Customer: Japanese Customers
- Description: Booking care for patients
- Team size: 4

- My position: Full-stack
- My responsibilities: Design and Responsive, code
- Technologies used: Html, CSS,Bootstrap5,SCSS, MySQL, ReactJs, NodeJS(Express)

Project E-commerce

- Description: E-commerce website about machinery
- Team size: 1
- My position: Full-stack
- My responsibilities: Design and Responsive, code
- Technologies used: Html, CSS, Bootstrap5,SCSS, MySQL, Laravel Framework8.0,Shopping cart Laravel(bumbummen99)

EDUCATION

SOFTWARE ENGINEERING

DEC 2015 - JAN 2018

FPT-APTECH

GPA: 3.6/4

CERTIFICATIONS

Dec 2012 Certified ScrumMaster

Jan 2018 FPT Aptech

Sep 2021 CKA Certification Course - Certified Kubernetes Administrator

July 2022 Microsoft Certified: Azure Fundamentals

Oracle Certified Professional, Java SE Programmer

PROGRAMMING LANGUAGES

Php, VB6 , Vb.net , SQL, mySQL , MVC, OOP, HTML, JavaScript, WordPress,CSS, SCSS, MySQL, ReactJs, NodeJS(Express), API RESTful, Docker, Docker Swarm Vuejs, NodeJS(Express) . Golang (gin, Goroutine, Chanel)

DEVOPS SKILL

Docker Swarm AWS(EC2,S3, RDS, Route 53, VPC ELB...), Azure(AZ900)YAML, Bash, Groovy, Kubernetes,Kutomization ,Istio services,Helm chart(Go templete), Ansible ,Terraform and Terraform Cloud(Hashicrop).

ENGHLISH

Listening, Speaking, Reading, Writing

SOFT SKILL

Teamwork, Adaptable, Fllow Instructions