Nguyen Ho Trong Thao

Senior Software Engineer

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PROFILE

With 10 years of experience spanning a spectrum of positions, I have seamlessly transitioned between various programming languages in backend development, be it Ruby, Python, or others. My roles have included working as an engineer in collaborative teams, leading teams, and even serving as a principal engineer in a product company. I possess the capability to solve problems within projects, whether working independently or as part of a team. The spirit of embracing challenges, welcoming new experiences, and helping others enable me to contribute effectively to projects in any position or role, regardless of the technology used.

EMPLOYMENT HISTORY

Self-Employed   01/2024 – Present

Worked on diverse projects specializing in social media automation tools and LLM (Large Language Model) integrations, with a focus on video content analysis:

- Developed automation tools leveraging browser profiles and browser
- fingerprinting technologies.
- Built frontend for digital products and developed backend systems
- supporting parallel order processing using message queues and multiple
- workers.
- Integrated LLMs (via REST API) for extracting and analyzing video content.
- Implemented various side projects in e-learning and AI applications.

Technical Lead, *Deepview JSC*   07/2022 – 01/2024
                                                                         Ho Chi Minh

- Designed and developed a microservices API application in Python, Docker, and RabbitMQ, following the principles of Event-Driven Architecture.
- Deployed microservices applications on AWS EC2 using Docker, and configured a CI/CD pipeline for Frontpage deployment on Cloudflare and Vercel.
- Spearheaded product improvements, including the upgrade of our lesson creation tool, resulting in a 90% reduction in manual efforts.
- Led the development of a comprehensive dashboard to support the operations department, streamlining their workflow and increasing efficiency.

Technical Project Manager, *gumi Vietnam*   07/2021 – 07/2022
                                                                         Ho Chi Minh

- Support pre-sale activities, conduct Technical Proposal, Software Architect Design and Estimation.
- Communicated project technical issues, progress, and support with clients.
- Supported Interviews for the project.

Technical Lead, *gumi Vietnam*   07/2018 – 06/2021
                                                                         Ho Chi Minh

- Led the largest project for Works Japan company as a Team Leader, with primary technical responsibility.
- Conducted client meetings and gathered requirements, collaborating with the client's technical team.
- Managed code reviews, assessed performance, and provided weekly progress updates to the client.

Software Engineer, *gumi Vietnam*

05/2015 – 06/2018
Ho Chi Minh

- Participated in over 10 small and large projects, taking on a primary role in project development as a Software Engineer, utilizing technologies such as React, Ruby on Rails, Laravel…
- Awarded MVP of the year and nominated for the position of Sub-leader, providing support to the team leader in task management, source code review, and training of new team members.

EDUCATION

Information System Engineer, *University of Information Technology (UIT)*

07/2010 – 05/2015
Ho Chi Minh

TECHNICAL SKILLS

Specialization
Information System Engineering with a focus on Backend API Service, Web Application Development, Database Design, and Microservices.

Programming Languages
Ruby, Python, PHP, Javascript (Nodejs, React), Shell script, etc.

Framework
Express, Ruby on Rails, Flask, FastAPI, NextJS, etc.

Tools and Platforms Utilized
VSCode, Rubymine, Docker, Docker compose, Git, Amazon Linux, Ubuntu, etc.

SOFT SKILLS

Foreign language
Intermediate English

Others
- Team management
- Presentation
- Training
- Interviewing

COURSES

Golang for Backend Developer, *Nordic Coder*

01/2020 – 02/2020

Building KPI System, *Pace Institute of Management*

IT Project Management, *The Association for Overseas Technical Cooperation and Sustainable Partnerships (AOTS Japan)*

07/2017 – 08/2017

HIGHLIGHT PROJECTS

Deepview Social, *Deepview JSC*

07/2022 – 12/2024

Deepview is an education startup that will provide learners with a virtual button, that can be integrated to any video learning website. I joined Deepview as a Principal Engineer where I was responsible for system design, backend development, server implementation, and frontend deployment. I contributed to product feature development, which included a dedicated video library for learners, the creation of a Chrome extension for integrating the Deepview button into online meetings such as Zoom and Google Meet, and the development of APIs for third-party integration. Additionally, I worked on the development of tools to support the operations team, including an automated lesson creation tool, email marketing setup, and project management tool implementation.

Crypto Cash, *N-Company*   07/2021 – 07/2022

A secured platform for generating and trading digital assets (not built on the blockchain).

My main responsibility is to coordinate with the Product Owner and Technical Leader to determine technical direction and approach to system design and implementation. As a Technical Project manager I followed up and tracked the progress of the projects, ensuring that the project was delivered on time, within the scope, and within budget.

Works Japan e2R PRO System, *www.worksjapan.co.jp*   07/2018 – 07/2021

e2R PRO is a software that manages the entire hiring and recruitment process for Japan market. As a technical leader, I participated in the project's design phase (database design, API design). I got involved in coding as a back-end engineer using tech stacks such as Ruby on Rails, MySQL, and AWS Services (S3, SES, ElastiCache, EC2 ...)

I supported the creation of WBS, detailed design, performed code review, and reviewed issues during the deployment to ensure on-time monthly deliveries.