

Đinh Duy Phong

Backend Developer



Tan Binh, Ho Chi Minh City, VN

Short-term goal: Enhance my English language proficiency. Improve my knowledge of DevOps and Cybersecurity.
Long-term goal: Live and work in a developed country like the US, the EUROPE, or Japan. Establish and successfully run a small business.

EDUCATION

FPT University 2013 - 2017

Bachelor's Degree in Information Assurance
The Information Assurance program covers topics such as network security, cryptography, and ethical hacking. Graduates emerge ready for roles such as information security analysts or cybersecurity specialists.

WORK EXPERIENCE

FPT Information System 02/2021 - 04/2023

Senior Back End Developer

- Maintain, refactor, and design Core Backend Service
- Develop automated scripts using Python
- Troubleshoot backend errors with other teams
- Administer GitLab server
- Administer production Linux servers
- Mentor junior developers
- Write software design documents

FPT Information System 11/2017 - 12/2022

Full Stack Developer

- Implement, deploy, and maintain a web-based Incident management system
- Design UI/ UX using design tools like Figma, Balsamiq Wireframe
- Write software design documents

FPT Information System 12/2018 - 12/2022

Tier 1 Security Analyst

- Monitor alerts from customer computer systems
- Report incidents to higher-tiered security analysts.

SKILLS

Python Develop RESTful API with FastAPI framework. Write utility scripts such as syncing data between different databases, scheduling tasks, etc. Create message bots and phone call bots.

FastAPI 2 years of Back End development.

Laravel	3 years of Full Stack development.
PostgreSQL	Write complex queries for charts used in reports. Set up Streaming Replication to ensure high availability. Perform administrative tasks like backup and restore databases and user management.
Linux	The main development environment and production environment. Comfortable with using the command line interface.
Docker	Experience in running Docker in production with docker-compose. Set up a private docker registry. Dockerize web applications.
Gitlab	User management, repository management, configuring CI/CD pipeline.
NodeJS	Some experience with █████ █████ and █████ Used in hobby projects.
Django	3 month of Full Stack development.
Sentry	Basic understanding, used in debugging web apps in production.
Javascript	Basic understanding. Experience with developing interactive frontend using libraries like jQuery, █████ Datetimepicker, etc.
Bootstrap 4	Basic understanding, making modification to website templates written in Bootstrap 4.
Figma	Design UI/UX for web apps

PROJECTS

Core Backend Service

(02/2021 - 04/2023)

Name of customer	FPT Information System
	Provides RESTful API endpoints for data related to cybersecurity operations such as Alert and Incident, facilitating the process of incident response. Other tasks include synchronizing data between data sources and on-call management.
Team size	2
Position in project	Senior Back End Developer
	<ul style="list-style-type: none">• Rewrite test cases in Pytest• Refactor RESTful API endpoints to comply with best practices• Apply CI/CD pipeline to improve the deployment to production• Implement new features based on business requirements• Write software documents
Technology description	FastAPI, SQLAlchemy, Docker, PostgreSQL, pgAdmin, GitLab CI/CD

Incident Management Web Portal

(11/2017 - 11/2023)

	FPT Information System, Vietlott, VIB Bank, WinCommerce, Soc Trang Department of Information and Communication, etc.
	Manage security incidents through a web-based application. Help clients acknowledge and manage incidents happening in their system. Main features include Incident management, User

	management, email notification, interactive dashboard, etc.
	2
	Full Stack Developer
	<ul style="list-style-type: none"> • Gather requirements from stakeholders to create software documents • Design and implement the main features • Make modifications based on customer requirements
	Laravel, Javascript, jQuery, ████████ Redis, Docker, Nginx, Linux, MySQL, Figma

Email Sending Service

(01/2023 - 02/2023)

	FPT Information System
	The Email Sending Service is responsible for managing the email-sending functionality by exposing a RESTful API to other services. It operates in a queue-style fashion, effectively mitigating the risk of request loss to the SMTP server caused by exceeding the maximum number of requests per second.
	1
	Back End Developer
	<ul style="list-style-type: none"> • Study relevant technologies, such as Celery library for task queuing and Jinja template for displaying email • Implement the main features and conduct manual testing to ensure the new service functions consistently
	FastAPI, RabbitMQ, Docker

On-call Shift Schedule Generator

(02/2023 - 03/2023)

	FPT Information System
	A tool that generates an on-call shift schedule in CSV format. Complies with complex requirements like random and equitable distribution of shifts and is easy to modify.
	1
	Back End Developer
	<ul style="list-style-type: none"> • Study Python libraries for solving optimization problems like the OR-Tools • Implement the main features and conduct manual testing
	Python

On-call Notification Bot

(01/2020 - 08/2022)

	FPT Information System
	A bot that automatically makes notifications to on-call shift employees through messages and phone call channels. Escalating to higher tier employees if lower tiers missed their notifications.
	2
	Back End Engineer
	<ul style="list-style-type: none"> • Study relevant technologies, such as Asterisk for making phone calls, Python library Asyncio for concurrent tasks, and Telegram RESTful API for sending messages

	<ul style="list-style-type: none">• Using BI tools like Metabase to visualize phone call data into charts for use in reports• Implement the main features and conduct manual testing
	Python, Asterisk, Docker, PostgreSQL, Metabase

INTERESTS

web sufring | comics | films | listening to music