



Pham Qui Duong

PYTHON DEVELOPER

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SUMMARY

Hello, my name is Duong. I have **4 years** of experience as a backend developer using **Python**. I have worked with **Django**, **Flask**, and **FastAPI**, and I have experience with **AWS services**.

What defines me isn't how much I know, but how I approach problems – I love taking on challenges, learning continuously, and exploring things in a deep and thoughtful way.

I am good at designing and building backend systems. I care about clean code, security, and performance. I always try to improve my skills and support my team.

WORK EXPERIENCE

DEVELOPER

8/2025 - Now

DIPRO TECH (OFFICE IN DA NANG)

Backend Developer

DEVELOPER

7/2021 - 11/2024

MYNAVI TECHTUS VIETNAM (OFFICE IN DA NANG)

Backend Python Developer

EDUCATION

STUDENT

2017 - 2023

DA NANG UNIVERSITY OF SCIENCE AND TECHNOLOGY

K17 student of the IT faculty.

STUDENT

2014 - 2017

TRAN KY PHONG HIGH SCHOOL (QUANG NGAI)

Join a team to participate in a city-level IT competition.

PROJECTS

BACKEND DEVELOPER

2021 - 2023

CAR DIAGNOSIS

A website has logic showing a visual result by data from the driver.

Team size: 6

Technical: Python Django, PostgreSQL, AWS, Docker

Responsibilities:

- Handle business logic and create APIs.
- Handle async tasks such as video format conversion, large CSV export, etc.
- Use AWS lambda and eventbridge to handle async tasks and scheduler jobs.
- Create API login for mobile WebView and implement FCM push notifications.
- Capture data changes for new driver trips for analytics and reward point earning.
- Configure Nginx and Docker Compose.
- Create infra guideline documents for clients.

BACKEND DEVELOPER

2021 - 2021

KEYWORD EXTRACTOR

Extract keywords of professors.

Team size: 4

Technology: Python FastAPI, TF-IDF, AWS S3, MySQL

Technical:

- Crawler posts from official website.
- Setup server crawler to avoid rate limits.
- Save crawled data to data lake (S3).
- Extract keywords and save to MySQL for SEO.

BACKEND DEVELOPER

2022 - 2022

EMAIL TRACKING

Track user activities in emails.

Team size: 4

Technology: Python Django, PostgreSQL, VB Excel

Technical:

- Track email opens, forwarded links, and email summaries.
- Save data to PostgreSQL and export to CSV.
- Update Excel VBS script to fetch and integrate tokens into emails.

BACKEND DEVELOPER

2023 - 2023

JOB SEARCH

Website to help users find new jobs.

Team size: 6

Technical: Python FastAPI, PostgreSQL, Open Search

Responsibilities:

- Handle logic for job search by name, position, location (city, station), etc.

BACKEND DEVELOPER

2024 - 2024

STUDENT INTERVIEW

A website that supports schools and students in conducting interviews and suggesting featured jobs.

Team size: 10

Technical: Python Flask with serverless, PostgreSQL, AWS

Responsibilities:

- Handle logic and create API
- Use AWS SQS and Lambda function for bulk email sending.
- Optimize performance of API.

BACKEND DEVELOPER

2024 - 2024

DIGITAL TRANSFORMATION

Internal project to simplify letter submission, with automatic tracking and task reminders.

Team size: 10

Technical: Python on serverless, Step Function, SQS, SNS, DynamoDB, Slack SDK and Slack Bolt, Google Applications, FastAPI server

Responsibilities:

- Crawl all company data and ingest to the data lake (S3, PostgreSQL, Google Sheets, Google Forms, etc.).
- Handle letter submission logic using Step Functions (notify, wait for approval/rejection).
- Handle business logic and create APIs.
- Integrate business logic with the Slack API.

BACKEND DEVELOPER

2025 - 2025

QUEUE SYSTEM

Create system queue with SOAP, integrate with calculation system and machine

Team size: 3

Technical: Python Django, PostgreSQL, Redis Broken, Celery Beat and Worker, Prometheus monitoring system and Docker

Responsibilities:

- Integrate with SOAP system.
- Create infra system for server, database, queue and monitoring system
- Create Worker work with Calculation System.
- Handle Machine cancellation logic with Beat.
- Create Prometheus monitoring system and config by Django Admin
- Create docker file and docker compose script for system

BACKEND DEVELOPER

2025 - 2026

CARD EXCHANGE

Create a system for help card exchange, payment and auction

Team size: 5

Technical: NestJS, PostgreSQL, DynamoDB, Redis, Stripe API, ChatGPT API and AWS system, CDK

Responsibilities:

- Create NestJS API
- Create infra system for server, database, queue
- Working with Stripe payment API
- Working with ChatGPT API
- Create dockerfile for backend and frontend. Deploy to AWS system
- Create SQS with email, EventBridge scheduler with webhook and save queue with auction histories
- Create CDK full deployment with VPC network, RDS PostgreSQL, Elestic cache Redis, Backend server with ECR, ECS and ALB and serverless system.
- Create CICD in Github action for both backend and frontend.

CERTIFICATIONS

Da Nang University of Science and Technology - Information Technology Engineer

March 2023

HONORS & AWARDS

The second prize in the provincial-level Informatics in Quang Ngai

12th Grade - 2016

The first prize in the provincial-level Informatics in Quang Ngai

11th Grade - 2015

ADDITIONAL INFORMATION

Basic English communication