NGUYEN CAO THIEN TRI

MY NAME IS TRI. I HAVE TWO AND A HALF YEARS OF EXPERIENCES AS BACKEND DEVELOPER WITH STRONG KNOWLEDGE IN PYTHON – DJANGO.

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SKILLS

BASIC

- Understand mutable and immutable.
- Knowledge using function map(), filter(), reduce() and using lambda function.
- Know how to use itertools to make code shortest.
- Using generators, iterators to save the memory.
- Familiarity with closures and decorator.
- Knowledge about Websocket.
- Understand memorize-cache.
- Writing code by PEP8.

DATA STRUCTURES AND ALGORITHMS

- Sorting algorithms: selection, interchange, insertion, binary insertion, bubble, shaker..
- Data structures: linker list, stack, queue, hash table, tree.

OOP

- Understand decorator @classmethod and @staticmethod.
- Knowledge operator overloading by Magic method: __add__, __sub__ …
- Familiarity decorator @property, @cache_property, @getter, @setter.
- Have experience in overriding vs overloading.
- Inheritance and multiple inheritance with MRO.

DATABASE

- Understand and write query .
- Have the knowledge to recognize and handle problems related to asynchrony.
- Using index to speed up search.
- Coordinate caching of non-obsolete data with redis to increase software performance..

WORKING

- Familiarity with Agile, Scrum, CI/CD, Git.
- Know how to use docker to build.
- Know how to communicate to design software systems.

DJANGO

- Object Relational Mappers, Restapi.
- Architecture MVT(model – view – template).
- Familiarity with design pattern: Factory Method, Observer Pattern, Singleton, Strategy, Decorator pattern.
- Customize django framework, exception and response have the same structure.
- Using select_related and prefetch_related resolve n+1 queries.
- Knowledge migration and resolve error.
- Have experience with django-oscar.

MACHINE LEARNING

- Understand algorithm and using lib support for algorithm.
- Similarity between two object: euclidean, manhattan, minkowski, cosine, Jaccard …
- Kmean, Knn.
- Familarity Neighborhood-Based Collaborative Filtering, naive bayes Classifier.
- Linear regression.

EXPERIENCE

JUL 2018 – JUL 2019
PHP DEVELOPER/ CHAT REALTIME, YOUTHDEV HCMC
Time: two months intership.
Build web application – socket: html, css, bootstrap, jquery, ajax long poliing
php, mysql, nodejs(build sever).
link: github
DJANGO/ CHAT REALTIME - DOOPAGE SOCIAL NETWORK, YOUTHDEV HCMC
Position: backend developer.
Team size: 4
Languages/ technologies used: python, django, restapi, worker, socket, docker.
Description: using service api to collect all data and managed multiple user from facebook, zalo, instagram…

DEC 2020 – JUL 2021
Django-oscar Ecommerce JOA SHOP, QST industries
Position: backend developer.
Team size: 4
Languages/ technologies used: python, restapi, redis, mysql, docker.
Description: development lending or selling medical related equipment.

JUL 2021 – NOW
Python - Clear cache tools, Hybrid-technologies
Position: backend developer.
Team size: 1
Languages/ technologies used: python.
Description: using os to synchronize beetween two folder by copy and delete.
Print list newfile, deletefile, updatefile.
Write logging.

Fast-api – DF joilmill, Hybrid-technologies
Position: backend developer.
Team size: 6
Languages/ technologies used: fastapi.
Description: fried food chain manager.

Fast-api – Naciel, Hybrid-technologies
Position: backend developer.
Team size: 6
Languages/ technologies used: fastapi.
Description: handle collected data.

WORK EXPERIENCE

YOUTHDEV HCMC

- Design and developing api high performance – with rest api.
- Using Factory design pattern to build types of messages in zalo like: Text, Image, Sticker, Gif, Location.
- Using ZaloOA service to send message zalo and save on db at the same time.
- Using Facebook, Personal FB service and worker to save on db from data return.
- Authenticate from FB using long-live token.
- Building system send mail statistician each Monday and template send mail.
- Building system scenario question on comment and auto reply according to the given scenario.
- Using Permission rest API to user authorization.
- Using docker to build project.

QST HCMC

- Development and developing api high performance – with rest api for lending – selling.
- Development django-oscar according to MVT architure for manager system.
- User authorization will see different management functions modify with base django-oscar.
- Using redis to cache code recivied from phone when user register.
- The data statistician will change when user change date – observer pattern.
- Customize django framework – response – exception with same structure.

HYBRID-TECHNOLOGIES HCMC

- Clear cache cron:
    - Understand using os package linux or windows to copy and delete file and proplems need resolve.
    - Using glob, itertools package and generator, threading to improve performance.
    - Write decorator logging for function.
    - Write file note copy and delete.
    - Send mail system and template.
- Joilmill:
    - Design and developing api high performance – with fast api.
    - Writing docs design: api, screen, database, unit test.
    - Implements orthers features on request.
    - Knowledge sqlachemy, alembic.
- Naciel:
    - Design and developing api high performance – with fast api.
    - Filter successful store and open store has a similar.
    - Write decorator for check request right and validate data to response error.
    - Write decorator for logging.
    - Implements orthers features on request.
    - Knowledge sqlachemy, alembic.

EDUCATION

SEP 2015 – JAN 2020

INFORMATION SYSTEMS, UNIVERSITY OF INFORMATION TECHNOLOGY, VNU-HCM

Project: predict the number victim by confirmed-recovered covid-19.
Languages/ Technologies used: python.
                              svm, linear regression, lstm, arima.
Description: predict the number of people infected with covid within 7 days.
Passed outline appraisal scientific research.

JUL – SEP 2019

DATA SCIENCE, CODERSCHOOL, HCMC

Project: recommendation systems for SENDO ecommerce.
Languages/ Technologies used: django, mysql, graphql.
                              React native.
                              matrix factorization, neighborhood-based collaborative filtering, population filtering.
Description: data processing and build a recommendation system based on product views.

AWARDS

Participate in a lot of hackathons like Shift Saigon, Dappathon, Unesco,…
1st prize at Twogap hackathon,HCMC.
Build blockchain application for save result.

CERTIFICATE

Problem Solving (Basic) – **Hackerank.**
Python (Basic) – **Hackerank.**
Developing Mobility With .Net Xamarin – **FPT Nanoversity**.
Data science track_hcm – **CODERSCHOOL.**

♖ **Badges**