Nguyen Khac Thanh

Contact

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About me

I studied Computer Science at the University of Engineering and Technology but I left the university since I didn't finish my program, so I never have a BA degree. I have been a software developer for 3 years.

I can communicate and read English documents. In my free time, I usually read Medium, review code on Github, learn new technology or improve my programming skills or write my blog.

I can use Linux and toolsets for development, apply basic data structures and algorithms to resolve problems (heap, link list, hash map, sort, and so on…). I use Python as the main programming language and I can improve the python program by using C/C++ or Cython. I need a good environment for self-development.

Work experiences

- **06-2019 – 02-2021: Teko Vietnam**

  Main responsibilities
  - High-level design, write the document and implement product management module for the E-Commerce system
  - Maintain and support infrastructure by using Kubernetes and related tools

  Description

  After 2 years, I applied to Teko Vietnam and I joined the catalog team. This is a product management system for the E-Commerce system. I have contributed to design product models and developed a microservice. My team has used Flask as the main framework. At this time, I improved skill programming and the high-level design system (data model, agile process, so on…). I also learned Docker and Kubernetes for development and deployment. By using utilities

(docker, kubectl, gcloud, scaffold, telepresence …), I also understand the basic concepts and architecture of Kubernetes.

- **07-2017 – 06-2019: [Revotech](#)**

  Main responsibilities

  - Design and develop the backend service for serving a machine learning system.

  - Implement a clustering algorithm for oil prediction.

  - Implement some machine learning algorithms, that are based on papers of researchers.

  Description

  In the first position, I was a backend developer for a machine learning system in the lab of the university. I and my team developed a backend system for serving machine learning models. I learned the basic software process, python, web service concept, and so on.

Skills

Programming language
  - Python
  - Javascript
  - C/C++ (basic, support Python)
  - Go (basic)

Frameworks
  - The WSGI standards as Flask, Django, or ASGI standards as FastAPI,...
  - The asynchronous library as asyncio, curio or gevent
  - asyncpg, pymysql or SQLAlchemy
  - Celery, Rq
  - ExpressJS
  - ReactJS (basic)

Database
  - MySQL
  - PostgresSQL (basic)

Testing
  - Mock
  - Unit testing with unittest, pytest
  - API testing with Postman

Tools
  - Linux
  - Docker (for packaging), Kubernetes (for monitoring)
  - OpenAPI documentation

Educations

- **June 2019 - present**

  Learning Computer Science and Software development in Coursera and related platforms.
  You can view my profile in [Coursera](#) or in [Freecodecamp.](#)

- **Aug 2016 - June 2019**

  Studied Computer Communications and Networks at the University of Engineering and Technology.