

Ho Chi Minh City
08/04/1999

DUONG MANH CUONG

Fresher Software Engineer

I am really interested in Software Engineering, especially Golang, Python, and Java. I want to become Middle in the next 3 years, and must try to become a Senior, but I do not know how long, because Seniors are at a super level.

TECHNICAL SKILLS

Web Development Golang, Mongo, Redis, Kafka, Django, Python, SQL, Linux, JavaScript

Mobile Development Android, Java, Firebase

AI & Machine Learning Machine Learning, NLP, Deep Learning

EXPERIENCE

Intern Software Engineer

Tiki - Digital Service | 07/2022 - until now

Project Tiki-VIP (until now):

- I attend a team of 4 members and work with Tini-App teams and some of Tiki's partners.
- Implement the best Golang features, Go-routines, Channels, and Channel Pipelines to optimize the performance of popular APIs, using In-Mem Cache Technique to reduce the interaction of the database and Redis.
- Design some design patterns, such as Singleton, Builder, Factory, Observer, and Clean Architecture... to clean the code of the system.
- Writing APIs at the home screen and authentication features.
- Developing some workers and call partners API and Tiki internal API.
- Implement Slack-Bot, Swagger, and write documentation...
- Implement Prometheus and Grafana to monitor services, such as request duration, error code, and total requests,...

Project Buy Now Pay Later (3 months):

- I attended a team of 5 members.
- Work with some partners, such as Home Credit (or Home Paylater), Lotte Credit (or Lotte Paylater),... to develop the major and supplementary features at Back-end site.
- Working with Kafka to publish messages to Tiki Internal Topics, following the guidelines of my manager to solve refund transaction problems.
- Developing Slack-Bot to alert errors, warning,... to the private channel team, and help the members discuss issues with each other.
- Working with Redis and MongoDB as the main cache and database and using complex functions, such as Redis TTL, Redis' data structures,... Mongo aggregation methods.
- Developing the Amplitude module for Back-end that send tracking data straight to Data Team in the case front-end teams can not send ones.
- Define mail templates, in-app, and pop-up notifications then send ones to customers for advertisements after a few days (workers, crontab,...).

EDUCATION

Bachelor of Information Technology

VNU - HCMUS | 2017 - 2022

GPA: 8.41

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PERSONAL PROJECTS

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| Shopee Fashion - Sentiment Analysis Model <ul style="list-style-type: none">This app uses Django, Tensorflow, and Sklearn to predict whether customers' comments are positive or negative. | 3 months |
| Android Java - Fashion Shopping Mobile App <ul style="list-style-type: none">Using Android Java and Firebase Firestore, Firebase Firestore, Firebase Authentication to create a fashion shopping app. | 2 months |
| Study Buddy <ul style="list-style-type: none">This is a naive version of Google Classroom using Django. You can post your topics and other people can leave their comments to discuss those topics. | 2 weeks |
| Chat App <ul style="list-style-type: none">Using Java and Socket techniques to chat and share data between multiple clients. | 2 weeks |
| News website <ul style="list-style-type: none">Using NodeJS to create a news website with CRUD functions, user authentication, check user permissions. | 3 months |
| Shooting and automatically Pacman game <ul style="list-style-type: none">Using Python, PyGame, and graph algorithms to play games automatically. | 1 months |
| Fake Images <ul style="list-style-type: none">Python and TensorFlow with DC-GANs algorithms generate faked images of furniture, cars, and animals. | 2 weeks |
| Kleantrans <ul style="list-style-type: none">The desktop app helps people can read English books without copy-paste operation on Google Translate using Python and PySide2. | 2 weeks |
| Algorithms <ul style="list-style-type: none">Collection of my solutions for the problems on CodeForces, HackerRank, SPOJ,... | |