

Personal Infomation

- Amos Xia(Xia Yangyang)/male/1986-06-12
- BS-Northeastern University-Computer Science and Technology
- Expirence : 11 years
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- English: CET-4, Good reading, writing and speaking in English
- Expected Job : Senior Java Backend Programmer
- City : Chengdu

Work Expirences

AIA Technology Shared Services, Senior Developer (2021-12 ~ now)

Survey System

when any insurance event is raised,
we will send a survey to user and collection response from them.
such like buy an insurance, claims and so on.

Responsibility:

- check produc requirements with customer
- manage task schedule for team
- make different teams work together
- implement core functionality and help junior to fix issues
- integrate azure blob, sftp, pgp encrypt/decrypt
- integrate with services from other teams

Roaddb Technology (Chengdu) Co., Ltd. Senior Backend Programmer (2018-07 ~ 2021-11)

SDS(Sensor Data Storage)

Maintain sensor data from vehicles in different regions,
we will process these sensor data by ETL workflow,
then provide advance search to collect data for user,
they can download these data to test their algorithm for auto driving.

Responsibility:

- set up ETL platform by RabbitMQ and Airflow,
decouple data process from data management system
and provide a visualization for data process workflow.

- set up ELK platform, collection all logs from different nodes, include service logs, apm logs and so on, then generate visualization for a quick view and assist team to make improvement
- migrate lucence to Elasticsearch, it helps decouple service and search engine, and service could scale in horizontal
- implement RBAC with Spring Security
- improve CI/CD workflow and migrate service to docker
- integrate S3 storage by minio, provide file storage abstraction and provide NFS and S3 implements for storage

Contribution :

- refactor code and code structure, reduce duplicate rate from 30% to 10%
- decouple sensor data ETL from original system
- assist tester to set up test environment in local
- fix OOM(OutOfMemory) issues
- improve big file download implement with http chunked stream
- improve CI/CD workflow

Chengdu Shu Gong Company, Senior Backend Programmer (2017-11 ~ 2018-03)

Chengdu Employee APP

Cost about 2 months to launch first version by 5 members team.

application is used to send welfare and publicity policy to union members.

it also integrate shopping, convenience services for them.

Responsibility:

- team management, requirement analysis, and integrate with other teams and merchants
- set up system framework
- implement account system, include account management, union management, excel extract
- assist IT to set up CI/CD

Contribution :

- schedule task plan with different teams
- Provide payment solution for merchants to make sure merchant scan user's QR code and then user pay for it in phone.
- help junior to fix issues and code review

Virtuos Chengdu Ltd, Senior Backend Programmer (2014-03 ~ 2017-11)

http service framework

set up http service framework by gevent and greenlet with python language

Responsibility:

- set up request process chain, include route, global exception handler, chain scale and so on.
- implement game components and refer to django create related codes automatically when add components

Tower Defense Game --- FangsEmpire

based on our http service framework and refer to Boom Beach, we add map edit feature and players could create different maps for defense and challenge. we provide PVP and PVE mode for players.

Responsibility:

- team management, requirement analysis
- task design and implements
- implement file storage, support local and s3 storage.
- set up CI/CD by jenkins

Contribution :

- improve application update, split big patch into small ones, frontend will check checksum and download them in concurrency , support resume from a breakpoint

Dark Souls in switch

migrate AAA level game Dark souls to switch, after launch get high rates from players.

Responsibility:

- team management
- analyze network implement by C++, assist technical director to make solution, migrate P2P to C/S architecture
- study switch sdk and migrate network implement

Beyondsoft(Shanghai) Corporation, Software Engineer (2011-10 ~ 2014-01)

Microsoft Store CRM Automatic Test Framework

set up automatic test framework, capture DOM and operate CRM system by them, then check result if correct.

Responsibility:

- set up automatic test framework by C#
- implement test cases for crm automatic test

Contribution :

- set up technology sharing in team

Beijing PIXEL SOFT Inc, Logic Programmer (2010-10 ~ 2011-08)

F Project

MMO RPG game by customized engine.

Responsibility:

- implement game functionality by C++

Beijing JoyChina Company , Logic Programmer (2009-11 ~ 2010-09)

Tennis Baby

Sport game with prince of tennis IP.

Responsibility:

- implement game functionality by C++
- implement UI by customized game engine

Personal Introduction

- Like to share and write blog to make a summary of technology
- good responsibility and help to improve product
- help members to fix issues with patience
- take the initiative to learn new technology