Personal Information

TianZhen | 156-1172-1937 | i@youth2009.org | QuFuNormalUniversity Sofeware Engineering

[Blog](#) | [Blog before 2016](#) | [GitHub](#) | [Linkedin](#)

Earliest available entry time: 2019-01-01

Experience

Honovation (2013.09-Present，5+years)

Developer, SRE, Ops, DBA of Lijiababy.com.cn

- Lijiababy.com.cn

  Tech Keywords: React, Webpack, Python2, Tornado, Redis

  Business Keywords: Reporting, Member, Product, Trade, Promotion, Coupon, Finance, eInvoice, ERP(SAP), Warehouse, Logistics, Notification, After service, Refund, JD, Tmall, WeChat, OA, O2O

- Restful APIs

- PostgreSQL: SQL skills, backup and recovery (Barman)

- Linux Container: isolate subsystems on metal host

- Fix performance issues

  A majority of process time of asynchronous task is load time, after executed, the process exits. I changed async queue logic, after executed the process do not exit, it just keeps alive unless the count of execution exceeds a threshold as preventing memory leak.

- Elasticsearch, Logstash, Kibana

  Use Logstash collects application logs, stores to Elasticsearch and then query on Kibana, also analyze recently request status code or process time.

- automate deploy: Install dependencies, packages, enforce security levels from bare metal to runnable application

- automate test: python unittest and selenium+chrome for web test

- integrate with SAP

- use OCR service to parse images and find prohibited words

- multip channels tracking: track multip channels like GA, generate every channel report

- Others but very important

  Business domain naming, unify coding style, refactor frequently, add tests, make dependency between modules sence, decouple, etc.

Training

Graduated from Udacity Deep Learning (first term): Basics of statistics, linear algebra, numpy, pandas, machine learning libraries

Open Source Contribution

Project Name	Role	Remark	Pull request/issue id
Veil	Member	Python web framework	-
New ad law words	Member	Ad law in my country prohibited word list	-
TaskTiger	Contributor	Python task queue	71,72,81,82,88
Tornado	Contributor	Python web framework and asynchronous networking library	2155
pylxd	Contributor	Python module for LXD	307
BaRMan	Issuer	Backup and Recovery Manager for PostgreSQL	174, 184
Pyres	Issuer	a resque clone in python	137
Resweb	Forker	Web interface to pyres jobs	commits
redis documents	-	https://redis.io/topics/streams-intro	1017
supervisor	-	Supervisor process control system for UNIX	444
qiniu python sdk	-	Qiniu Resource (Cloud) Storage SDK for Python	319
Nestable	-	Drag & drop hierarchical list with mouse and touch compatibility (jQuery plugin)	113
suds	Issuer	python web service library	issue

Personal Projects

Project Name	Tech	Remark
raspberry_aqi	Python, RaspberryPI, PMS7003, InfluxDB, Chronograf	Home Air Quality Index collect and show
rasp_monitor_lcd	RaspberryPI, PMS7003, LCD	Home Air Quality Index collect and display on a LCD with Raspberry PI
raspsound	requests, tornado, rq, nginx, wechat	send voice on Wechat, play with Reaspberry PI
expenditure-application	Postgresql,tornado,tasktiger,mailgun	Homebrew expenditure application
Scroll-Reverser	Objective-c	prevent horizontal scroll on MacOS
Homebrew NAS hardware guide	Hardware, FreeNAS	-
Fix M950 mouse with jumper	Hardware	-
Neutralize Intel ME on X220	Raspberry pi, GPIO, BIOS	-
unlock HG8347R	-	-
Flash OpenWRT	OpenWRT	-
3 nodes SBC cluster	Switch,SBC cluster,k8s	-