Hu Miao

- Email: maplevalley8@gmail.com
- Working: 4 years
- Age: 25
- Education: Sun Yat-sen University (CS 2009-2013)
- GitHub: https://github.com/humiaozuzu
- Blog: https://miao.hu

Skills

- Web Dev: Python, Flask, Restful, Fabric, Supervisor
- Database: MySQL, Redis, MongoDB (Basic)
- Frontend: HTML, CSS, Javascript, jQuery
- SA: NewRelic, Ansible
- Dev Tools: Git, Sublime, Vim, iTerm
- Dev flow: Pull requests + Review + Tests + Deploy
- IaaS: AlibabaCloud, AWS (Basic)

Experience

Freelancer (2017.4 ~ now) DevOps

- Using Ansible to automate the deployment of server and service.
- Setup and maintain kubeneters cluster using Ansible and kubespray.
- Build monitor and alert system using prometheus.

Gifttalk Inc. (2015.7-2017.4) DevOps & Partner

Gifttalk is an E-commerce company based in Beijing offers a wide selection of high-quality gifts at competitive prices. Gifttalk acquired a 3 million dollars, round A investment led by Sequoia Capital in 2014 and a 30 million dollars, round B investment led by Tencent Capital in 2015, round B+ led by Guangqu Capital in 2017. As our CEO has decided to discontinue all online service in 2017 so I exit.

- Continue develop new features for shop guide part of e-commerce system
- Procure business service, sign the contract and reimburse (CDN/IaaS/Anti-DDos/Business Insight etc.)
- Maintain OpenLDAP and OpenVPN server.
- Maintain MooseFS cluster.
- Developed an OpenLDAP based web app (Flask) on which staff can obtain his OpenVPN certificates and manage his LDAP password. SAs can manage user permission to different sites.
- Intergrate admin panels and third-party service (such as confluence and sentry) into LDAP server.
- Use Ansible to automate server and service deployment to do basic Iaas.
- Maintain Cloudera system (used for BI, handover to BI stuffs to operate as my time is not enough).
- Maintain Fluentd for log aggregation.
- Develop a simple deploy system (based on a private cli tool like capistrano, using Flask + MySQL) intergraded with LDAP auth and Jenkins, on which stuffs can

manage projects and their releases, pushing release to production and staging servers.
- Maintain Jenkins for continuous integration
- Develop Express Connect System (Flask+MySQL) for stuff to access Google (As Google are blocked in China).
- Use Percona Toolkit to do database backup/restore and online schema change.
- Design security guidelines for production servers and enterprise intranet and perform.
- Maintain monitor and alert system (Using NewRelic)

Gifttalk Inc. (2014.5-2015.7) Backend Developer & Partner

Develop the shopping guide website, Restful api and admin panel using Flask. Use Redis as cache and nosql store to optimize the performance. Use Celery as task queue.
Using Fabric to deploy the web application automatically and supervisor manage app process on production servers. Collect web application errors using sentry and monitor application performance using NewRelic APM.

TieTie Inc. (2013.9-2014.4) Backend Developer

TieTie QR Code is an application that can record voice, image and video to an QR code sticker. Users can purchase the QR code sticker from many offline stores and stick it on postcard or gift.
Develop the rest API using Flask and store QR code data in MongoDB.