

# Hu Miao

- Email: [maplevalley8@gmail.com](mailto: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

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- Using \*nix system for more than 8 years
- Web Dev: Python/Flask/Restful/Fabric/Supervisor
- Database: MySQL/MongoDB/Redis
- Frontend: HTML/CSS/Javascript/jQuery/Bootstrap
- SA: NewRelic/Ansible
- Dev Tools: Git/Sublimt/Vim/iTerm
- Dev flow: PR + Review + CI Tests + Deploy
- IaaS: Aliyun/AWS/Azure

## Experience

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### Freelancer (2017.4 ~ now) DevOps

- setup and maintain kubernetes cluster using Ansible and kubespray
- using Ansible to automate the deployment of server and service

### Gifftalk Inc. (2015.7-2017.4) DevOps & Partner

Gifftalk is an E-commerce company based in Beijing offers a wide selection of high-quality gifts at competitive prices. Gifftalk 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.
- Developed an openLDAP based web app 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 service deployment
- maintain Cloudera system (used for BI),
- maintain Fluentd for log aggregation
- Develop deploy system (based on a private cli tool like capistrano) intergraded with LDAP auth and Jenkins
- maintain Jenkins for continuous integration
- develop Express Connect System for stuff to access Google
- use Percona Toolkit to do database backup/restore and online schema change

- design security guidelines for production servers and enterprise intra-net and perform
- maintain monitor and alert system

### **Gifftalk 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.