

# Kaizhao Zhang

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## Areas of Expertise

- Back-end development

## Technical Knowledge

- Programming languages: Python, etc.
- Front-end development: HTML, CSS, etc.
- Back-end development: Django, Flask, Tornado, SQL, Redis, etc.
- Development environment: GNU/Linux and FreeBSD, especially Debian, Ubuntu, Fedora, Arch Linux, etc.
- Toolkits: Git, Vim, UNIX utilities, etc.
- Others: Agile software development(e.g. Scrum), Continuous Integration(aka CI), etc.

## Experience

### Software Development Engineer at Intel China Inc.

February 2016 to April 2017

Location: Shenzhen, Guangdong, China

Working as back-end developer/leader of Safe Family project.

Technical stack: Python, Tornado, Cassandra, etc.

*Note: Intel Security was departed from Intel since April 2017 as new McAfee. The contract was ended on April 3, 2017. Then I kept in the new McAfee until May 26, 2017.*

### Software Development Engineer at Guangzhou Qilekang Inc.

May 2015 to October 2015

Location: Guangzhou, Guangdong, China

As part of development of the Guangzhou Electronic Business platform, working as a developer and the consultant of the Python development team. There were some small projects taken and finished by me and my fellows. And the most important project I joined was the Medicine Assistant sub-project of Dabai project.

Technical stack: Python, Django, Celery, Whoosh, etc.

### Senior Software Development Engineer at Guangdong Caihui Inc.

June 2014 to January 2015

Location: Guangzhou, Guangdong, China

Working on the development of Cailitou project.

Technical stack: Python, Flask, SQLAlchemy, etc.

## Software Development Engineer at Guangzhou Yuanyun Inc.

May 2011 to January 2014

Location: Guangzhou, Guangdong, China

Working on:

- Development of Syncbox project.
  - Development of web server.
  - Development of client for Linux.
  - Development of DDNS server and client.
- Development of WIT-FII project.
  - Architecture and implementation of the Router Hub server.
  - Development of PC client.

Technical stack: Python, Tornado, gevent, SQLAlchemy, Redis, etc.

## Software Development Engineer at Guangzhou Wangrong Inc.

May 2010 to May 2011

Location: Guangzhou, Guangdong, China

Working on:

- Development of the auto-update back-end server and client which bases on Google Omaha.
- Prototype development of server and client of file sync project.
- Technical research and prototype development of Certification Union project which bases on OpenID and OAuth.
- Deployment and management of development and testing servers and project management server.

Technical stack: Python, Tornado, MongoDB, Java, Tomcat, etc.

## Developer at Shanghai Zopen Inc.

September 2008 to December 2009

Location: Guangzhou, Guangdong, China

Working on:

- Development of EveryDo products.
- Deployment and operation of products, etc.

Technical stack: Python, Zope 3, etc.

## Mechanical Engineer at Shantou Goworld Display Inc.

April 2006 to July 2008

Location: Shantou, Guangdong, China

Working on:

- Maintaining and repairing production equipment.
- Designing and fixing equipment kits and fixtures, etc.

## Education

### Bachelor of Mechanical Engineering and Automation

South China University of Technology, September 2001 to July 2005

## Language

- English: passed *College English Test Band 4 (CET-4)* in March 2004
- Chinese: Mandarin, Teochew dialect, Cantonese

## Project

### Safe Family

March 2016 to March 2017 at Intel China Inc.

Description:

- Cross-platform protection for family's devices. Support Android, iOS and Windows PC platforms.
- Features:
  - Rules for App blocking, URL blocking, Screen time and Fences.
  - Notifications with response for Apps, URLs and Screen requests. And notifications without response for checkin and fence.
  - Activities.
  - Maps.

Working as back-end developer/leader.

Achievement:

- Safe Family 1.5 Release.
- Fixed lots of bugs.
- Improved performance.

Technical stack:

- Back-end technical stack: Python, Tornado, Cassandra, etc.

## Cailetou

June 2014 to January 2015 at Guangdong Caihui Inc.

Description: Internet proxy website for Lottery.

Working on the development.

Achievement:

- Added new features including virtual money, online event, etc.
- Improved features including withdrawal, order, payment, ticketing, back-end management functions, etc.
- Improved structure and quality of source code.

Technical stack: Python, Flask, SQLAlchemy, etc.

## WIT-FII

June 2013 to January 2014 at Guangzhou Yuanyun Inc.

Description:

- Router Hub server of WIT-FII project.
- Features:
  - API service for management of accounts and routers, etc.
  - Gateway service for routers.
  - Online store, etc.

Working on the whole architecture and implementation of the Router Hub server.

Achievement:

- API service for management of account and router, etc works well for iOS and Android client.
- Gateway service works well for routers.
- The online store implemented the Payment API of Alipay. Users can buy products on the online store.

Technical stack:

- Router Hub server: Python, gevent, SQLAlchemy, Redis, etc.

## Syncbox

May 2011 to June 2013 at Guangzhou Yuanyun Inc.

Description:

- Private file storage service for families.
- Features of web server:
  - Website for online browse and file operations.
  - API service for mobile clients.
- The DDNS server provides Dynamic DNS service for every machine, which can connect to internet and has Syncbox servers running on it.

Working on:

- Preview image, thumbnail and metadata generation for files including image, PDF, Office, audio, video, plain text, etc files.
- Recent files sync to Dropbox, Google Drive, SkyDrive, Jingshan Kuaipan and Kupan.
- Development of API service.

Achievement:

- Added preview image, thumbnail and metadata API for website, iOS and Android client.
- Improved API service.
- Improved the structure and quality of source code.

Technical stack:

- Back-end: Python, Tornado, gevent, etc.

# Link

## Personal

- Website: <https://www.zhangkaizhao.com/>
- LinkedIn: <https://www.linkedin.com/in/zhangkaizhao>

## Working

- Safe Family: <http://family.mcafee.com/>
- Cailitou: <http://www.clt500.com/>
- WIT-FII: <https://www.witfii.com/index.html>
- Syncbox: <http://www.syncbox.cn/> and <http://www.isyncbox.com/>
- EveryDo: <http://www.everydo.com/>
- Guangzhou Qilekang Inc.: <http://www.7lk.com/>
- Guangzhou Wangrong Inc.: <http://www.g4b.cn/>
- Shantou Goworld Display Inc.: <http://www.goworld-lcd.com/>

## Others

- Google Omaha: <https://github.com/google/omaha>