

# Wei-Chun Horng (Jim)

Software team lead

Taipei · TW

[yoy7337@gmail.com](mailto:yoy7337@gmail.com)

(+886) 912943169

## Experience

### 1. Software team lead, Feb 2017 - Now

Masterwork Aoitek Co. Ltd.

Android/iOS apps([Lollipop](#))

- Performed code review
- Designed software architecture about streaming and network stack
- Improved QC tool and QC flow and make it automatically.

Backend Service

- Built the backend service for Lollipop App and camera(embedded) device
  - Restful API service
  - MongoDB
  - Socket.IO service
  - Streaming service
- Built the [Lollipop web store](#)
- Built a custom DVR server
  - Provide cloud video recording with different plan.
  - In sure the security of the video.
- Data collection and analysis

Devops(AWS)

- Distribute web services to other region(ex: Europe, Asia...)
  - Setup AWS load balancer in different region and route user to the fastest server via DNS.
- Improve server architecture
  - Move infrequently used data from the database and put it into cheaper storage.
  - Divided large service into multiple micro-service.
  - Connected out service in different region(Peer connection).
  - Dockerize API server to speed up deployments and builds.
  - Support Echo show live streaming.

Lead Lollipop software team

- Project management(Scrum)
- Human recruitment

### 2. App Software Engineer, Nov 2014 - Feb 2017

Masterwork Aoitek Co. Ltd.

Develop android app for BabyCamera device

- [Lollipop](#)
- QC tool for lollipop device
- QC tool for lollipop sensor

Backend Service

- MongoDB
- [Parse-server](#)(RESTful API)
- Custom [socket.IO](#) server

- [nginx-rtmp](#)(Streaming) server with

Devops(AWS)

- Design server architecture for stability and security
  - Streaming service
  - REST API service
  - Socket.IO with sticky proxy

iOS app maintenance

- [Lollipop](#)

## 2. Software Development Manager, June 2014 - Nov 2014

ThroughTek Co., Ltd.

Design and Develop android app for p2p file-manager device

## 3. Section manager, Aug 2009 - April 2014

ASUS

Develop android app for Asus phone

- [Email](#) owner(pop3/imap/exchange)
- Contacts, calendar app

Manage Email team

# Skills

## Android

BLE

[Socket.IO](#)

Build custom ffmpeg player([ijkplayer](#))

Customize Database Provider

Encode image to video using Mediacodec

ndk

## Back-end

Node.js (express)

Build custom [Parse-server](#) (Restful API)

[nginx-rtmp](#) (Streaming)

DevOps (AWS)

## iOS

swift

objectiveC

custom UI design

## Education

B.S., Computer science, National Chiao Tung University, Taiwan, 2007

M.S., Computer science, National Chiao Tung University, Taiwan, 2009

