

# Lei YU(郁雷)'s Resume

## Intro

- Professional Software Engineer in embedded system design and development, with rich C/C++ experience, and familiar with Java, Python, Bash, Gcc/Makefile;
- A core member of the OpenBMC community, maintainer of 6 OpenBMC repos (including the major repo sdbusplus).
- Stackoverflow.com reputation 3000+;
- Strong ability to discover and resolve problems, good at learning and study;
- Good team player & communication skills, easy & fast to integrate into a team;
- PMP
- The developer of Android App [MineMessageVibrator](#) (40000+ downloads, rating 4.4) and [MinePsfPlayer](#) (3000 downloads, rating 4.6);

## Contact

- Mobile: \$(echo MTgwMTc4MTg2MDIK | base64 -d)
- Email: mine260309@gmail.com
- Website: <https://mine260309.me>

## Skills

- Linux C/C++ programming, with various script languages;
- OpenBMC
- Linux Kernel
- DLNA, DTCP, Webkit, Embedded OS;
- Flash NOR/NAND driver, Bootloader;
- Not my major programming language, but I write Java as well for Android App in Eclipse and Android Studio.

## Work Experience

### Sep 2016 - now, IBM, Firmware AE and Software Architect

- Active contributor in OpenBMC and Linux kernel.
- Maintainer of OpenBMC repos:
  - sdbusplus
  - phosphor-psu-code-mgmt
  - phosphor-time-manager
  - phosphor-bmc-code-mgmt
  - openpower-pnor-code-mgmt
  - phosphor-power
- Lead the cross team between InspurPowerSystems and IBM developing OpenBMC.

- Setup relationship with system vendors in China mainland, Taiwan.
- Deliver training and help them port OpenBMC on their servers;
- Presentation in OSFC 2019 - An example of OpenBMC on a new FP5280G2 system:  
<https://youtu.be/vtly35ZtWK8>

### **July 2009 - Sep 2016, Motorola & Arris (Arris acquired Motorola Home in 2013), Staff Software Engineer**

- Implement low-level multicast playback with CA support in NuPlayer;
- Develop a Launcher with webview portal and integrate ExoPlayer based multicast player;
- Working on the STB platform, design interfaces and build Linux system services like DLNA, DTCP;
- Integrate various CA (Conditional Access) services;
- Feature Lead and Scrum Master;

### **July 2006 - Jun 2009, Motorola Nanjing, Software Engineer**

- Working on Flash driver (NOR/NAND) and implement mobile phone's file system;
- Bootloader for TI OMAP and Qualcomm QSC/MSM platforms;
- Contact interface with other global teams;

## **Patent**

**Filed:** Apparatus and method of BMC dynamic fan control for processor

## **Notable Personal Projects**

### **MinePsfPlayer & MineMessageVibrator Android apps**

Android Apps that plays PlayStation music in .psf format, and helps users get the vibration notice and reminders for SMS/Gmail/Missed Calls. The latter surprisingly even helps deaf people a lot!

Links:

\* <https://code.google.com/p/minemessagevibrator/>

\* <https://github.com/mine260309/android-sexypsf-player>

### **Technical articles on my blog**

In spare time I write technical articles on my blog, which is an achievement for myself; The blog was set up on RaspberryPi at home and later moved to DigitalOcean

Link: <https://mine260309.me/archives/category/tips>

### **Connected Home and NAS**

All the digital devices are connected in my home with carefully design and deploy by DLNA and Samba technology. Certain hardware is done manually for limited resources.

Links:

\* <https://mine260309.me/archives/1080>

\* <https://mine260309.me/archives/1711>

\* <https://mine260309.me/archives/1725>

## **Education**

2002 - 2006: BS, Computer Science and Technology, Nanjing University with top 20% GPA;

## **Certification**

PMP

JLPT band 2 (Japanese-Language Proficiency Test)