

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;
- Core member of 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
- 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

- 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 trainings 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 on 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;

Notable 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. A certain hardware is done manually for limited resource.

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)