Lei YU(郁雷)'s Resume

Intro

- Professional Software Engineer in embedded systems and multimedia, with rich C/C++, Bash, GCC/Makefile experience, and familiar with Java, Python.
- 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
- Github: https://github.com/mine260309/
- StackOverflow: https://stackoverflow.com/users/1030870/mine

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

- As a core member of OpenBMC, I submit code and document to upstream, review patches, and merge them on repos I maintain.
- Send patches or create bugs to upstream Linux Kernel and other Open Source projects.
- 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 vendors port OpenBMC on their servers.
- Presentation in OSFC 2019 - An example of OpenBMC on a new FP5280G2 system: https://youtu.be/vtIy35ZtWK8

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

- Implemented 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. One plays PlayStation music in .psf format, and the other helps users get a vibration notice and reminders for SMS/Gmail/Missed Calls. Surprisingly it 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)