Fu Yajun's Resume

Software Engineer

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- English Name: Jackson Fu
- Gender: Male
- Birthday: Dec 17th, 1983
- Marital Status: Married
- Working life: 8 year
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Currently, I'm working as a **Wifi Engineer** and in charge of processing issues reported from our clients. My work mainly focuses on fixing bugs from wifi chip driver and wpa_supplicant to android wifi framework. I'm familiar with 802.11 specification, Linux network subsystem.

Till now, I have 8 years working experience on Linux and android platform for R&D and clients support and have got familiar with C/C++/Java programming lauguages. During my previous and current jobs, I have gained a lot of knowledge of software porting, bug debugging, Linux System Programing and Linux kernel driver programming, here are the job positions that I ever took before:

- **Application Development Engineer**
- **Android Framework Engineer**
- **Client Support Engineer**

From the previous and current jobs, I have accumulated a lot of technical knowledge and promoted my skills of inter personal communications.

邮件联系

Education

Hunan University

Master of Engineering, Computer Science and Technology • 2006 — 2009

China Three Gorges University

Bachelor of Science, Information and Computing Science • 2002 — 2006

Experience at Mediatek

MT76XX network card technical supporting team

Deputy Technical Manager/WiFi Engineer • Mar 2015 — Now

support customers to integrate WiFi chips into all kinds of platforms from the design phase to mass production. help customers to solve any issues found on all layers includeing wifi driver, wpa_supplicant and android wifi framework. From these experiences, I have gained a lot of field experience, also promoted my technical capabilities. In summary, I have improved the following capabilities:

- good control under pressure.
- good understanding of 802.11 protocols and Wifi P2P/Miracast protocols.
- get familiar with Linux network driver architecture and knowledge of cfg80211 module.
- get familiar with wpa_supplicant source code and can do some customized modification according to customer's requirement.

BDP-OTT Client Project Team

Senior Software Engineer/Client Project Leader • May, 2013 — Feb, 2015

During this period, I first worked as a BDP project support engineer and were responsible for Sum Sung BDP project issues such as JEPEG playback, Opera network application support and on-site support in Korea. One year later, the company decided to go to the OTT market, and I took part in Xiaomi OTT project. In the project, I worked as a Project Engineer, my main responsibilities includes: following up WiFi/BT issues, system burning issues and on-site support work. I had improved the following capabilites:

- work under pressure
- skills to communicate with clients

- ability to arrange meetings
- get familiar with Android WiFi framework
- get familiar with Wifi and BT spec
- abilities to process memory leak issues

Android Smart TV team

Senior Software Engineer/Android OpenGL ES Engineer • Jul, 2011 — Apr, 2013

During this period, my major responsibilities includes: processing issues related to Android GUI module, OpenGL issues found in clients and mtk demo platform. maintain Mali GPU 450 driver code and working together with Arm engineers to fix bugs found in mali GPU driver. From the above work, I had improved the following capabilities:

- abilities to write English mail.
- get familiar with OpenGL processing techniques
- get familiar with Android system and Android application development
- get familiar with Android OpenGL ES Programing
- have a better understanding of linux kernel.

Experience at BYD Auto

Platform Department

Senior Software Engineer/Smart TV Project Task leader • Jul, 2010 — Jun, 2011

As the main developer, my main responsibilites incudes: 1. develop Qt Application on CE4100 Linux platform. 2. software porting, such as porting Qt library. 3. write development documents. 4. trace other member's development status and report project progress to the manager. 5. as a co-ordinator between programmers and art designers.

- abilities to write technical documents
- abilities to compile and port open source code.
- get familiar with Qt applicaiton development.
- get familiar with linux system and basic kernel architecture.
- learn to be a good team player.

Algorithm Department

Senior Software Engineer//Software Developer • Jun, 2009 — Jun, 2010

As my first job position, my main task is to develop and debug supporting software used in our product: Router. During this period, I have took part in the following module developemnt and debugging work:

- debug CGI backend code for setting UI of the Router.
- write server side code for our local network video conference system.
- write client side code for wireless network access authorization system.

From the above projects, I had improved the following capabilities:

- get familiar with Linux system.
- get familiar with make and shell.
- get familiar with linux system programming.
- get familiar with C/C++ programming.

Projects

MT76XX Network Card Projects

Wifi Driver Engineer • 2015 — Now

- [Description] Mainly target at domestic market, our clients include clients from MStar platform and clients from MTK platform. 。
- [Responsibilities] Analyse and resolve Wifi p2p/Miracast related issues, mainly focusing on bugs triggered by WiFi driver and wpa_supplicant.
- [Achievement]I have helped to resolve wifi driver, wpa_supplicant bugs for our customer Hisense TV, Skyworth TV and ZTE Android Box.

Android Xiaomi OTT

CPL • 2014 — 2015

- [Description] The first MTK-solution based OTT in domestic market, which based on MT8127 hardware architecture and android 4.4 software system. 。
- [Responsibilities] arrange discussion about new feature development with clients. on-site support for all kinds of issues. mainly focused on WiFi connectivity functionality, Miracast connectivity functionality and system burning issues.
- [Achievement] took part in processing temperature issues , Wifi Bt co-existence issues and memory leak issues.

Android Smart TV

Android Engineer • 2011 — 2013

- [Description] Mainly targeted at China Mainland market, provide smart TV solution to the cients. Based on Anroid 2.2 and android 4.0 software architecture, equiped with MTK TV hardware.

- [Responsibilities] 3D Graphics modules, processing Android 3D Graphics CTS test issues，OpenGL issues reported from MTK demo board and client boards. processing issues from Mali GPU drivers. Some customerized feature development requested by the clients.
- [Achievement] I have took good control of all kinds of issues about GPU driver and OpenGL,and not make those issues to block the project progress.

Network TV

Software Developer • 2010 — 2011

- [Description] The project is an evalution project in the company. Our target is to develop a system that can watch TV online and with a lot of other software for entertainment. More importantly, we want to add a subsystem to display a family's power usage statistics through our Smart meters developed by our company. We use CE4100 as the demo board and software architecture is Linux + Qt.
- [Responsibilities]
  1. porting some basic softwares such as Qt, DirectFB, startup shell scripts and network softwares.
  2. contact hardware platform seller for basic technical support.
  3. Module development: Main UI architecture design, Music Player and low level software development such as drivers for remote control and gstreamer development.
  4. following up other modules development status, and report whole project status to the Manager weekly.
- [Achievement] With our teamwork, finally we got it running and finished the basic feature development plan, I finished Music Player development, TV living function development and family power usage statistics display on the UI.

Skills

The following skills come from my working experience in different job positions:

Programming Languages

From my jobs and self-teaching, I have got familiar with the following languages:

- C/C++
- Java(JNI)
- Python

Software Development Tools

I have used the following IDE:

- Eclipse
- Qt Creator
- Netbean
- Visual Studio

Compiling Tools

In my work, I mainly use the following compiling tools:

- make
- CMake
- Android Build System

Applicaiton Development

I have got familiar with the following application development:

- Android App Development
- Open GL ES Development
- Qt Development

Platform

I have got familiar with:

- Android
- Linux

Version Control Tools

I have mainly used the following two version control tools:

- Git
- Perforce

Network Traffic Analysis Tools

I have used the following two network traffic analysis tools:

- Wireshark
- Omnipeek

Languages

I have used the following languages in my jobs.

- Mandarin
- English(can read, write, and some basic oral communication skills)

Additional Information

These are my personal activites on the web:

- Persoanl Page(http://blog.ifjy.me)
- CSDN Blog(http://blog.csdn.net/fuyajun01)
- GitHub Main Page(https://github.com/fuyajun1983cn)

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