ZhenXing Su

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Educational Background

2007.9-10.7 **Master**, *Institute of Metal Research, Chinese Academy of Sciences*, Shen Yang, Chemical Physics.

2003.9-07.7 **Bachelor**, *YanTai university*, YanTai, Applied Physics.

Working Experience

2017.4-now **Software Engineer**, *Mcafee Co., Ltd. Shenzhen.*

Duty:
- *Android app engineer*

2016.8-17.4 **Software Engineer**, *Intel Co., Ltd. Shenzhen.*

Duty:
- *Android app engineer*

2014.4-16.4 **Software Engineer**, *Iboxpay Co., Ltd. Shenzhen.*

Duty:
- *Android app engineer*
- *Software Engineer at Architecture Team*

2013.9-14.4 **Software Engineer**, *Topwise3g Co., Ltd. Shenzhen.*

Duty:
- *Bluetooth Low Energy Engineer*
- *Android framework engineer*

2012.2-12.8 **Software Engineer**, *Topwise Co., Ltd. Shenzhen.*

Duty:
- *Android framework engineer*

2010.4-12.1 **Software Engineer**, *Topwise3g Co., Ltd. Shenzhen.*

Duty:
- *Android framework engineer*

Programming Skills

github https://github.com/suzp1984

blog http://zpcat.blogspot.com/

Languages C, Emacs Lisp, Python, Java, Javascript, Shell, LaTeX

Operation System	Linux(expert), Mac OS X(Daily usage)
Editor	Emacs

OpenSource codes

Light-BLE	BLE(Bluetooth Low Energy) Device debug tool for Android.
jbig-android	jbig single-color space picture codec for Android.

Projects experience

Intel Security Mobile App Project

2017.8-now **Android App Engineer**, *Intel Co., Ltd.*, ShenZhen.
Mcafee Mobile Security App development.

Description:
- Android Mobile App UI development.

IBoxPay's CashBox Android App Project

2014.7-15.5 **Android App Engineer**, *IBoxPay Co., Ltd.*, ShenZhen.
redesign and refactor the CashBox App project.

Description:
- CashBox App is IboxPay's core project, which consists of the mobile client side app, the backend side trading system, and an intelligent terminal hardware. This is what we called the mobile POS, a box hardware must be connected to the mobile side CashBox app, which acts as a middleware between the terminal box and the backend trading system. The customer swipes his bank card in that little portable hardware, then he can pay the bill to the merchants.
- The intelligent terminals can be classified into its connection channel types, there are at least three types of channels such as Audio jack, Bluetooth Classic, Bluetooth Low Energy and UART serial port.

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Achievement:
- I rewrote the code according to the Object-Oriented Principal, decoupled the code by introduced an isolated android module project which can be reused in another project.
- I make the development process sustainable and the code is readable by wrote the software design document, wrote necessary unit-test and also maintenance a coding style document.
- The highlighted part of that code is the hardware connection channel part, I introduced a Connection interface, all the connection types, including Audio Jack and Bluetooth, were just implementations of that interface, then, when another project works on a new terminal with UART custom connection channel, what it did is just implement a new Connection interface.
- I porting the JBIG codec to Java environment by using the JNI method. JBIG codec is an efficient lossless compression algorithm for single color depth space picture.

Jobs at Software Architecture Team of IBoxPay

2015.7-16.3 **Software Developer**, *IBoxPay Co., Ltd.*, ShenZhen.

Description:
- Android App Architecture research.
- Git and Gitlab Training.
- Apache and Nginx journal report analysis.
- Nginx Lua module develop(OpenResty).
- Research Server Side Auto Configuration and Docker System

Achievement:
- Abandon the outdated centralized version control system, SVN, use the advanced distributed version control system Git, the company also start to use the popular on-line coding review and authority control web app, Gitlab.
- Practise Android MVP/MVC architecture
- An OpenResty Lua Application which check whether a http request's validate by check its Servlet Session.

Bluetooth Low Energy Project

2013.10-14.3 **Software Developer**, *Topwise3g Co., Ltd.*, Shenzhen.

Description:
- Research and analysis Bluetooth Low Energy application at Broadcom's BLE board.

Achievement:
- Open Sourced Light-BLE project, which can be used to debug and analysis the peripheral BLE device during development.

Factory autotest toolkit for SpreadTrum's Android platform

2012.5-12.7 **Software Developer**, *Topwise Co., Ltd.*, Shenzhen.

Description:
- The factory auto running test toolkit is running in an autotest machine which checks the newly produced PCB board.

Achievement:
- check out the faulty PCB board at the early stage in the factory, then promote the rate of qualified PCB board out of the factory.

Android Framework Development

2010.5-12.8 **Software Developer**, *Topwise3g & Topwise Co., Ltd.*, Shenzhen.

Description:
- Android framework and System Developer from version 1.6 to 4.3, My duties include integration Makefile development and HAL layer development.