ZhenXing Su

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Educational Background

2007.8-10.7 **Master**, *Institute of Metal Research, Chinese Academy of Sciences*, Shen Yang, Physics.

2003.8-07.7 **Bachelor**, *YanTai university*, YanTai, Physics.

Working Experience

2014.5-16.4 **Software Engineer**, *Iboxpay Shenzhen*.
Android app developer

2013.9-14.4 **Software Engineer**, *Topwise3g Shenzhen*.
Android System Developer

2012.2-12.8 **Software Engineer**, *Topwise Shenzhen*.
Android System Developer

2010.4-12.1 **Software Engineer**, *Topwise3g Shenzhen*.
As a System engineer of Android

Programming Skills

github   https://github.com/suzp1984

blog   http://zpcat.blogspot.com/

Languages   C, Emacs Lisp, Python, Java, javascript, node.js, LaTeX

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

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

IBoxPay's CashBox Android App Project

2014.5-15.4 **Android App Developer**, *IBoxPay Co. Ltd*, ShenZhen.

Refactor and Developer the former 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 mobile POS, a box hardware must be connected to the mobile side CashBox app, then swipe your bank card in that little portable hardware, then you can trading with the merchants.
- The intelligent terminals can be classified by its connection types, there are Audio jack, Bluetooth Classic, Bluetooth Low Energy and Uart serial port.

Achievement:

- Refactor the code according to the Object-Oriented Principal, decoupled the code by introduced an isolated module which can be reused in another projects.
- wrote the software design document, make the development process sustainable and readable.
- make the code reusable in another project by introduce a Connection interface, when the new terminal device appears with new type of communication type, just to rewrite the Connection interface, then the whole module can be reusble.

Jobs at Software Architecture Team of IBoxPay

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

Description:

- Android App Architecture, promote MVP.
- Git and Gitlab Training.
- Apache and Nginx journal report analysis.
- Nginx Lua module develop(OpenResty).

Bluetooth Low Energy Project

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

Description:

- Reseach and analysis Bluetooth Low Energy application at Broadcom's BLE board.

Architecture:

- 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 test the newly produced PCB board.

Architecture:

- 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 System Developer

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 developer.