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## Summary

1 I have experience in Java 7 servlet---client type network programming . I am more professional in Apache Web Server, Tomcat and Oracle Glass Fish. In Purdue University, I learned how to build an URL Crawler and redirect URL data to MySQL database for integration. Utilizing java.net and java.io to complete the most basic task like binary files' network I/O. I can Import Java Official API libraries efficiently or combine third party's Frameworks to achieve App Dev

2 I also have experience in Android Programming. During my school years, I have learned how to use ADT, ADB(debug), Android SDK and Android Simulator. I can fully utilize Google official Android Studio and Android Development Toolkit to achieve App Dev. In Purdue University, we have SafeWalk project. SafeWalk is servlet---client type Android App. Quarry on client's GPS data, SafeWalk client will uploads the data to SafeWalk Server. Server will integrates the data and calculates client's current physical location within Purdue University. From that project, We have learned the structure of Android Framework and Android's Network I/O.

3 I can also Programming in C language. I am familiar with GNU basic Libraries, binary file's Network I/O, socket() and it's parameter, servlet---client type program, icmp, DNS, UDP types network package rebuild and broadcast. Utilizing HashMap and LinkList to achieve data integration.

4 I am familiar with modern Linux operating system, I have used Ubuntu Server, Fedora, CentOS, Oracle Linux and RedHat. I am professional in Linux CLI, bash sheel script and the structure of Linux Kernel. I can achieve important IT task like Utilizing Virtual Technology, VMware and Oracle VirtualBox to run multiple Linux Server on one physical Server.

5 Java Progammimg: Eclipse and Java NetBean.

Android Programming: ADB(debugger), Android SDK, Android Studio

C Programming: vim(CLI), GDB(debugger), Official Visual Studio

Remote assistant(Team cooporate): Team Viewer, VNC Remote Connect, Skype

## Technical Skills

Languages: JAVA, Android Development, C, HTML5, JavaScript.

Frameworks/Libraries: java.io, java.net, java.nio, java.rmi, java.sql, javax.xml, Android

SDK, ADT, ADB, glibc.

Database: MySQL, SQLite

WebServer: Apache Web Server, Tomcat, GlassFish, Jetty, Nginx

Programming Software: Eclipse, Java NetBean, vim(CLI), GDB(C program debug), Android Studio, Android Development ToolKit

OS: Rpm base linux, Dpm base linux, VMware, VirtualBox, Oracle Linux

## Project Experience

1 Utilizing java.net package in Official API Libraries, MessageListener object as parameter,

Establish TCPChannel by using socket(ip, port), Transmit Data to Destination IP address

2013 CS180 individual project

<https://github.com/PingRoute/TCP-Channel>

2 Utilizing java.io package in Official API Libraries, The most basic local bin file I/O,

Fully Utilize FileInputStream and FileOutputStream to achieve binary file transmission,

Fully Understand the types of Data and Java Object

2012 CS180 course

<https://github.com/PingRoute/java.io>

3 The most important tasks for IT is simply reverse engineering! Base on Java Network and I/O, reverse engineering Official Framework, learning the structure of Apache Tomcat, rebuild your own HTTP Server. This process is the most valuable argument for Future's IT Tasks .

2012

CS180 final course---HTTP Server

<https://github.com/PingRoute/HTTP-Server>

#### 4 URL Crawler

Combine third party Libraries(Jsoup)

Program Function: www.cs.purdue.edu as primary target, Crawling URL Data into HashMap first, redirect URL Data to MySQL database, initialize new Thread, Loop the HashMap for further Crawling.

Further Improve: Function of Search Engine and infinity URLs

2013 CS390 Final project

<https://github.com/PingRoute/URL-Crawler>

5 Teamwork SafeWalk Project. Utilizing ADB debugger, Android SDK, Android Simulator and XML Input, Learning how to Teamwork, Communication with Teammate and Team Assistant.

#### 2012 CS180 SafeWalk Project

<https://github.com/PingRoute/Android-Runnable-SafeWalk-App>

6 In C Language Learning, Input Parameter == Binary File, Using LinkedList and HashMap to integrate markets' valuable currency data

#### 2012 CS240 individual project

<https://github.com/PingRoute/C-HashMap>

#### Education

2011 Sep --- 2015 May  
Undergraduate

Purdue University Computer Sciences

2015 Sep --- 2016 Dec  
partner) Internship

IN, Lafayette WinTek, Inc(Cisco

2017 Feb  
Looking Forward!

Return to Beijing and