Contact

www.linkedin.com/in/lifuzu
(LinkedIn)
www.lifuzu.net/ (Blog)

Top Skills

Git
Android
Software Development

Languages

English (Professional Working)
Chinese (Native or Bilingual)

Certifications

Cloud Computing Concepts: Part 2
Cloud Computing Specialization
Cloud Computing Applications
Software Product Management
Specialization
Cloud Networking

Richard Li
DevOps Engineer at Apple
San Jose, California

Summary

• Keen on conducting continuous integration, testing, and delivery
pipeline with continuous improvement, following agile methodology.
• Over 18 years software development and release engineering
experience on delivering artifacts, including Android, iOS apps.
• Utilizing the latest techniques and developing handy tools;
• Architecting infrastructure for mobile build, automation testing and
release.

Experience

Apple
DevOps Engineer
September 2018 - Present
Cupertino, CA

Groupon
Software Release Engineer - Tools and Infrastructure
October 2016 - September 2018 (2 years)
Palo Alto, United States

• Continuous integrate and deliver Groupon apps for iOS and Android;
• Design, implement and pipeline UI Automation jobs for Groupon apps
with Jenkins, optimized plenty of jobs to 2 main jobs for stability and better
maintenance;
• Develop build/release tools and refactor processes for Groupon apps,
improved automation time from 4 hours to 1.5 hour with better test reports;
• Architect the infrastructure for mobile build and automation with Docker
and Ansible, enhance the build and automation pool stability and efficiency,
increase productivity by reducing downtime from 4+ hours to zero for each
node;

Barnes & Noble
Lead Build/Release Engineer
March 2011 - October 2016 (5 years 8 months)
Palo Alto, United States

• Designing, prototyping the next generation build system, which bases on Gradle/NodeJS/Nexus/Jenkins/Gerrit/Git/Jira/Wiki/Ansible to make an integrated workflow build system, to support B&N next generation NOOK products;

• Integrate, enhance, customize Android software build system to build and release apps, framework, platform, product and i18n firmware on NOOK Simple Touch, NOOK Color, NOOK Tablet and NOOK Simple Touch with Glowlight and next generation NOOK products;

• Develop, configure B&N core build system structure to support more than 50 build images to compile simultaneously and generate more than 10 flavors' artifacts with Bash and Perl/Python program for Android, and iOS;

• Architect and design the repackaging build model to separate the build process to two phases: regular build and on-demand build creatively; which reduce the build time dramatically;

• Develop and deploy distributed GIT/Gerrit security architecture model for framework, BSP and application Gerrit servers; improve and re-engineered the Google REPO tool to handle syncing repositories across all B&N Gerrit servers;

• Design and integrate the infrastructure of build system with Netgear/Synology NAS, to make the build artifacts storage servers more stable, reliable and scalable; Implement source code repositories cache pool model to make clone faster, from 30+ minutes to about 4 minutes;

• Design, integrate and deploy Android Widevine DRM KeyBox, which assigns key from KeyBox individually to each product at the factory line, to make sure every device can play DRM-protected contents securely. The solution bases on the PCI-e HSM (Hardware Security Module), which makes more security, and safety;

• Integrate and customize the Black Duck Scanning Suite to scan B&N software projects, and analyze source code to match open source software compliance;

• Working on the Docker open source project to dockerize the builds within docker containers - https://github.com/dockerbase

HP
Senior Build/Release Engineer
September 2009 - March 2011 (1 year 7 months)
Shanghai

• Build and release Android project for minibook;

• Setup, configure and maintain Gerrit (code review server for GIT repository) server on Jetty, mediawiki server for developer on Apache;

• Setup, configure and maintain ReviewBoard (code review server for SVN repository) server on Apache with a mod_python plugin support;
• Build and release Chrome Web services project;
• Build and release Palm web services project;
• Setup, configure and maintain the date center for cloud services for WebOS;

Shanghai E28 Ltd.
Build/Release Engineer (Team Leader)
September 2003 - September 2009 (6 years 1 month)
Shanghai, China

• Based on Trac framework, develop BR (build request) submit web system for software department in company, in Python program language, which need to communicate with ClearCase VOB server to get the developer's branch string and the changed files in this branch, then to communicate with the Mantis server to get the submitter CR which assigned to him. This system make a relation between CR and changes. Besides, this system support to make difference between two versions which is a convenient way to review the changes;
• Setup, configure and maintain the issue track (Mantis) system, to develop different feature and process for every project, for example: to clone CR for different region for generating report; to use Javascript to narrow the input which related to the context to reduce the report error rate;
• Lead SCM & tool development team, cooperate with developer team, tester team and PM team, implement the process management;
• Deliver software artifacts in a period and on time, implement software configure management for different release target; implement continuous integration;
• Deploy the CVS, SVN, GIT, ClearCase version control system, train and assist the developer team to use/understand CVS, SVN, practice weekly build;
• Develop several kinds of automatic tools, to support/improve development and integration process, setup the release data report system;
• Evaluate, verify and integrate the 3rd party (or outsourcing) software component;

Inventec Shanghai
Software Engineer
April 2001 - September 2003 (2 years 6 months)
Shanghai, China

• Transplant and develop MMS and WAP software modules for TTPCOM-FM201 model phone;

• Design, code, debug and maintain EditBox/InputBox control for big size color screen feature phone;
• Research and maintain SMS, EMS, and Smart Message technology for LUCENT-KM100 series phone;
• Design, code and debug QQChat terminal application which based on SMS;
• Transplant and develop T9 input method and related MMI application, including document, detailed design, coding and maintenance.

Shanghai Power Equipment Research Institute
Software Engineer
July 1999 - April 2001 (1 year 10 months)
Shanghai, China

Analyze customer's requirement, and design the software to control 400 ton rolling mill for TRW Shanghai clutch factory;
Analyze requirements, design, code, deploy, operate, and maintain dummy bump test-bed solution for TRW Shanghai clutch factory;
Implement, deploy and debug the chimney dust excessive alarm system for Shanghai chemical plant;
Analyze, design, code, deploy, debug and maintain disinfection boiler project for Sino-American SQUIIB pharmacy co. ltd.

Education

International Technological University
Master's degree, Computer Software Engineering · (2014 - 2016)

Xi'an Jiaotong University
Bachelor, Thermal Energy and Power Engineering · (1995 - 1999)