

[Ryan Wang]

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system engineer, software developer, web application developer

Summary

An innovative thinker, initiative taker professional with system programming, web backend application, software development and big data analysis. Experience in designing, developing, implementing and testing of company products as a software developer & engineer. seeking to enhance his skills by participating as a system engineer | web application developer | software developer | data analyst.

Education

- [Carleton University], [Ottawa], [Canada]
- Bachelor, Computer science, 2015 - 2017
 - [University of Ottawa], [Ottawa], [Canada]
 - BCS Courses Exchange, 2016 - 2016
- [Hunan University of Arts and Science], [Hunan], [China]
- Bachelor's Degree, Telecommunications Engineering, 2007 - 2011

Experience

[Dates 2015.7 – 2015.9] [3 months]

[Server Development Engineer (Back end Developer)] | [Shou (mobile app company)] | [Beijing]

Responsible for background server development of company product - ShouTV. Built online payment (google play payment, apple pay), ultimate programming logic, and developed REST interfaces for client-side ([IOS](#), [android](#)).

[Dates 2013.10 – 2015.3] [1 year 6 months]

[Server Development Engineer (Back end Developer)] | [[Adesk](#) (mobile app company)] | [Beijing]

Responsible for building and maintaining background services system of company products - android wallpaper, provided REST interfaces (using python + tornado + MongoDB + Redis + Memcached) to client side (IOS, android), developed efficient search functions (using elastic search). Also, as a team member of data service and analysis (Hadoop) for company commercial market department. Managed cluster storage and monitored servers status.

Android-ringing: android ringing application (providing optimal ringing service for android users). my role was to lead and to build the server side of the project, including backend (with python + tornado) and frontend (html5 + bootstrap CSS + js) of the server side, also providing REST interfaces to client side.

[Dates 2012.1 – 2013.6] [1 year 6 months]

[Software Engineer] | [[TRS](#) - (Search engine dev company)] | [Beijing]

Developed and maintained search engine, web spider, proxy servers (company products) with colleagues.

Responsible for distributed heavy tasks, built tools for authenticated user, batch task generation program, multi-threaded web server and many associated tools.

Panda Project (chinese government project): government private web spider and search engine. my role was to develop tools to support and maintain company software.

[Dates 2011.5 – 2012.1] [9 months]

[Technical Service Engineer (Server side technology assistant)] | [[Tsinghua Tongfang](#)] | [[Beijing](#)]

Troubleshoot for PC users, handled software installation, and configuration, coded script for cluster server systems;

Windows System Configuration: built Exchange 2010, Lync, SCCM, CRM;

Linux System Configuration: built KVM, XEN, LAMP, postfix, BIND, DHCP, etc.

Skills & Endorsements

Software Development, Server Architecture, System Deployment, Web Applications, Search Engine Technology, Web Crawling

- Programming Languages: Python, C, Java, C++, JavaScript, HTML5, Go, Ruby on Rails, SQL, NoSQL, Racket, Prolog, Clojure
- Database: MongoDB, MySQL, PostgreSQL, Redis, Memcached, HBase,
- Platform & Tools: Tornado, Hadoop, Elasticsearch, Google Cloud Platform, AWS, Nginx, Qt, Android Studio, Git, Vim, IntelliJ IDEA, OpenCV, MS VS, LaTeX.

Languages

Chinese - Native, English - Professional (working proficiency)

Certifications

MCITP Microsoft, License D238-2597 Starting April 2011

CCNA Cisco, License CSCO 11809486 July 2010 – July 2013

Interests

Web application | Machine Learning | Computer Vision | Mobile application | Real Time OS | Data analysis | Algorithm | Math | Reading | Videogames