Ryan Zhang

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PROGRAMMING SKILLS

Experienced in **Hadoop Ecosystem** programming. Strong back ground of **J2EE** Server-side, proficiency in **Spring Ecosystem**. Deep-level **concurrency** and **RPC/NIO** framework understanding. Comfortable with Linux/Unix Terminal environment. Strong self-learning skills.

- **Language:** Java 8, Shell, Python, SQL, Javascript, HTML.
- **Hadoop:** HDFS, MapReduce, Hive, Flume, Azkaban, Sqoop, Hbase
- **J2EE:** Maven, Lucene(Solr), JMS(Rabbit-MQ), Redis, MySql, Junit, Jquery, Json, Ajax, Springmvc-Spring4-Mybatis, Struts2-Spring4-Hibernate, Zookeeper, Keepalived+lvs
- **Protocol:** HTTP, TCP/IP, SSH, Socket, WebService, Soap, RESTful
- **Env:** Tomcat, Nginx, Maven, IntelliJ, Eclipse, SVN, AWS, Linux/Unix

SELECTED PROJECTS (maintained in AWS cluster)

Cloud notebook platform (Similar to Evernote)   http://www.note.rzweb.us   04/2016-08/2016

Key words: *big data, hadoop, keepalived+lvs, nginx, zookeeper, Springmvc, Mybatis, Lucene,*

- **Big data level** online notebook resolution. Functional designing including CRUD, Share, Favourite, Search, Transfer, Trash-box
- System architecture. Nginx, Keepalived+lvs, Tomcat, Zookeeper, Springmvc, Mybatis, Hadoop(hdfs, mapreduce), Hbase, Thrift, Lucene, Mysql, Redis, Jquery

Online Shopping Platform (TAOTAO-B2C)   http://www.taotao.rzweb.us   09/2015-03/2016

Key words: *distributed, nginx, tomcat, redis, solr, Spring, RESTful, AWS*

- Full functional implementation of the world's biggest B2C platform(*taobao Alibaba*)
- **Distributed structure**, including system of *MANAGEMENT, WEB, ORDER, CART, SEARCH, USER, SSO* and more, deployed in AWS
- **Core function Env:** Maven built, SpringMVC-Spring-Mybatis framework, MySql database at back end, Javascript, Jquery(easyUI) at frond end, RESTful webservice supported
- **Optimization: Solr** (search system), **redis cluster** (sso system and cache), **Nginx**(loads balance and static resource server), **MySql cluster** (separate read and write), **RabbitMQ**(synchronize data)

CAREER EXPERIENCE

Java-Web back end Internship / Participated in the OA project

   YTO express Co., Ltd., Lin'an Hangzhou   06/2014-12/2014

Enterprise Invoicing System(re-implemented)   http://erp.rzweb.us

- Business-Management-Software, track business resources and data, operate the whole core process of business activity, specially designed for online shop enterprise
- Multi-module system including management system modules of *BUY, SALE, STORAGE, REPORT*, and permission control system modules of *USER, ROLE, RESOURCE.*
- Struts2-Spring-Hibernate framework environment, Maven built, deployed in AWS

EDUCATION

- **New York University(NYU)**   M.S in Computer Engineering-estimate graduate in May, 2017
- **Chongqing University(CQU)**   B.S in Electrical Engineering-graduated in June, 2014