

# Biao Li

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## Working Experience

### Alibaba Group ([alibaba.com](http://alibaba.com))

Jul 2007-Mar 2012

Sr. Software Engineer

Hangzhou, P.R.China

- Designed and Developed big data processing system for Alibaba's search engine, which processed high-volume data (TB-scale) and was built on top of Hadoop, Hbase and other related technologies.
- Designed and Developed management system to deploy and coordinate the distributed applications.
- Maintained big data processing system and search engine service and improved reliability of these services which serve the several the hundred million customers all over the China;
- Member of the core group who make decisions of designing, deploying and upgrading these large-scale systems.

### IData

*A big data processing system for Alibaba's search engine which combined big table data(TB-scale) into structured data conforming to business rules. It was built on top of Hadoop, Hbase and Zookeeper. This system offered data service for search engine and other teams. It processes hundreds million records at one time as well as incremental processing system. This service were used indirectly by the end customers all over the China.*

- Core designer of this project.
- Designed the architecture and implemented the crucial part of the system.
- Keywords: **Big Data, Hadoop, MapReduce, Java, C++, Python.**

### Launchpad

*A management system which is designed for controlling big data processing system and Alibaba's search engine. It made the maintenance of clusters more automated and efficient. This system was widely used in dozens of clusters. The typical size of a cluster was more than several hundred machines. The systems in these clusters offer service for the several hundred million customers all over the China.*

- Led the project team of 4; Designed the architecture and Implemented from scratch.
- Made the main principles and strategies for the system. Implemented crucial part of the system.
- Most of code were written by Python and rest of them were written by C/C++.
- Keywords: **Linux, large-scale, distributed system, C/C++, Python.**

## Skills

Expert in programming in **Linux**.  
Several years Industrial experience in **C/C++, Java and Python**. A big Fan of **Go** programming language.  
Solid Industrial experience in **large-scale, distributed system, Hadoop**, Hbase, Zookeeper.  
Deep understanding and knowledge of **networking**, from IP, TCP to HTTP.

## Education

<b>Rutgers University</b>	May 2015 (Expected)
Master of Science, Computer Science	New Brunswick, NJ
<b>Nanjing University</b>	June 2007
Master of Engineering, Software Engineering	China
<b>Wuhan University</b>	June 2005
Bachelor of Engineering, Software Engineering	China