WANG, XU

| CONTACT INFORMATION | 104, Building East 2, Jimenli, Haidian District, Beijing, China 100088 | *Mobile:* +86 13911635527
Email: gnawux@gmail.com
Homepage: http://wangxu.me/blog/ |

SUMMARY

Software developer (Senior Researcher) at SNDA Cloud (http://www.grandcloud.cn), being responsible for EBS product; and former core developer of BigCloud team of China Mobile Research Institute, having nearly 4 years experience on Hadoop HDFS development.

Being interesting in HADOOP, STORM, distributed storage system, etc.

Having been using and maintaining Linux systems for more than 10 years; Developing with C/C++, Java, Python, Perl, and Skillful in Unix utilities such as sed.

Technical Blogger, Writer, and Translator on Linux system, NoSQL and Hadoop, etc. Translator of O'Reilly's *Cassandra: The Definitive Guide*.

OBJECTIVE

Jobs on *Apache Hadoop* related development and mantaince; Or R&D Job about distributed systems in Beijing.

CURRENT OCCUPATION

Senior Researcher in SNDA

Senior Researcher (Software Development) (May 2011 – present), currently being responsible for the development and operation of EBS (Elastic Block Store) Product. The service was opened to public for testing in late July 2011, and began offering commercial service in Oct 2011. We has been keeping upgrade the stability and performance continuously.

- Sep 2012, Speech on SNDA Grand Cloud in Guangzhou TMT Salon hosted by 21st century media;
- Jul 2012, Speech *Cassandra: Technical and Historical Overview* in QClub hosted by InfoQ: http://www.slideshare.net/gnawux/cassandratechnicalandhistoryovervie
- Mar 2012, Presented Cloud Computing principle and practice in BUPT: http://www.slideshare.net/gnawux/ss-11816238
- Oct 2011, Hosted the Cloud Computing Track in QConHangzhou 2011, Hangzhou, China
- Sep 2011, Introduced SNDA Cloud for CTO Club of CSDN (http://cto.csdn.net/Activities/4832)

PAST PROJECTS AND EXPERIENCE

Hadoop Related Work

Researcher and *Project Manager* (July 2007 – May 2011) on Cloud Computing in *China Mobile Research Insititute*, being responsible of *Hadoop HDFS* related development and maintenance, and communicate with upstream community, includes evaluation and testing, bug fix, and feature development (Apache JIRA ID gnawux):

- 2010 – 2011, Feature of DataNode volume refreshment HDFS-1362;
- 2008, Fixed a critical bug of Hadoop 0.18, which may lead to replica mistaken deleting: HADOOP-4742;
- Aprial 2008 – May 2011, Maintaining the CMRI distribution of Hadoop, including NameNodes synchronization patches: http://github.com/gnawux/hadoop-cmri/
- 2008 – 2009, Maintaining the CMRI Hadoop stress testing tool (Python/Java): http://code.google.com/p/hadoop-test/

- September 2010, Present in Hadoop in China (HIC 2010), introduced Hadoop related developments in China Mobile Research Institute:
        http://wangxu.me/blog/p/445
- November 2009, Present on Apache Roadshow Asia 2009 (Nov, 2009), introduced Hadoop HDFS development in CMRI.
- Weblog on Hadoop related developments: http://gnawux.info/hadoop/

Cloud Storage, Linux & Open Source related

- *Linux Cluster Management*, Since 2010, Having been responsible for system management of the cloud cluster of China Mobile Research Institute, including the configuration maintenance, optimization of virtualization system and Hadoop platform;
- *Cloud Storage*, Since 2010, as Project Manager and Architect, Having been responsible of Cloud Storage Project of China Mobile Research Institute;
- Organizer and Topic Contributor of LinuxFB: Monthly Salon of Linuxer in BUPT.
- LATEX Template for Thesis of BUPT, including code, examples, and manual.

Technical Writer and Translater

- *Translation*: *Cassandra: The Definitive Guide*, ISBN: 978-7-115-25854-0, Published in Aug 2011;
- *Book*: *Life in Debian*, ISBN: 978-7-115-19466-4, Published in Sep 2009.
- *Articals*: Techonology Author and Translator on Linux kernel, Filesystem, NoSQL, etc., Articles posted to Personal Web Site (http://wanxu.me/blog/) and Magazines.

Training Lecturer   2005 – 2007
Staff training or certification training on Linux and UMTS/TD-SCDMA Core Networks, Services, and Air interfaces, for operators and vendors, in Beijing, Guangdong, Wuhan, etc.

Software Developer   2002 - 2003
Having been responsible for development of wireless field test system, etc.

EDUCATION

Beijing University of Posts and Telecommunications (BUPT)

Ph.D., Circuits and Systems, 2002.09 — 2007.07

Beijing University of Technology

B.S., Electronic Engineering, 1998.09 — 2002.07

REFERENCES

Part of Articles

Hadoop related technical writing (http://wangxu.me/blog/p/tag/hadoop)

- DataNode Volume Refreshment in HDFS-1326 (English):
        http://gnawux.info/hadoop/2010/12/
            datanode-volume-refreshment-in-hdfs-1362/
- How to Decomission DataNodes in HDFS:
        http://labs.chinamobile.com/mblog/225_18378
- dfs.datanode.max.xcievers: An Undocumented Parameter of Hadoop:
        http://labs.chinamobile.com/mblog/225_18094

Other articles on scripts, frameworks, etc.

- Stack Context of tornado (python web framework by facebook/friendfeed):
        http://wangxu.me/blog/p/758
- Update on tornado-memcache: http://wangxu.me/blog/p/764

- Words on expect: `http://wangxu.me/blog/p/752`
- Process sub of Bash: `http://wangxu.me/blog/p/738`
- Introduction on ZeroMQ: `http://wangxu.me/blog/p/725`

Part of Translations

NoSQL, Hadoop, and Java related translations:

- ZooKeeper Watches: `http://wangxu.me/blog/p/546`
- Cassandra by Example: `http://wangxu.me/blog/p/383`
- Observers: Making ZooKeeper Scale Even Further: `http://wangxu.me/blog/p/320`
- Avro: a New Format for Data Interchange: `http://wangxu.me/blog/p/279`
- Java SE 6 Hotspot ^{TM} Virtual Machine Garbage Collection Tuning :
  `http://wangxu.me/blog/p/209`

Linux kernel, graphics and other software related translations:

- LWN: Flushing out the pdflush: `http://wangxu.me/blog/p/610`
- LWN: Improving ext4: bigalloc, inline data, and metadata checksums:
  `http://wangxu.me/blog/p/604`
- LWN: A tale of two SCSI targets: `http://wangxu.me/blog/p/586`
- LWN: The Fun of Null Pointers (1): `http://wangxu.me/blog/p/39`
- KernelTrap: Linux: The Journaling Block Device: `http://wangxu.me/blog/p/151`
- LWN: What is RCU, Fundamentally?: `http://wangxu.me/blog/p/122`

Note: All the original articles are from Internet, and announced the info about original articles; and most articles, including those from LWN, cloudera has asked the authorization of original publishers