Xi **Zhang**

SOFTWARE ARCHITECT · ENGINEERING LEADER

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"Passionate programer ever since 1994. "

Experience

Inpensa Inc.   *Hands-on*

LEAD ARCHITECT / DIRECTOR OF R&D   *Mar. 2012 - Present*

TBD

- Designed and prototyped configuration-driven client-agnostice multi-tier architecture.
- Designed and evolved the On-Primise Enterprise solution into highly scalable SaaS Application ultilizing Amazon Web Services.
- Designed REST API interface/implementation capable of handling real-time integration with multiple client eco-system.
- Drove the technology by ultilizing cutting edge technologies like Java 8, Gradle and .
- Built and managed a R&D team that constantly delivers high quality products within limited timelines.
- Reduced SaaS support and deployment cost by 50% with streamlined build and AWS deployment process.

Cisco Systems   *TBD*

TECH LEAD / PRINCIPLE ENGINEER   *Jul. 2009 - Oct. 2011*

Designed and led the implementation of the search based business intelligence services using Apache Solr cluster, which allowed enterprise customers to track, filter and search through their historic data and generate real time visualization reports based on result data sets.

- Built and led a global located engineering team of 6, which focused on and was responsible for providing high performance middle-ware services.
- Improved team efficiency and team dynamics by optimizing and enforcing the work process and daily review meetings.
- Created the caching hierarchy filter generator, which was the foundation for 75% of critical features, by implementing a recursion algorithm.
- Cleared a show blocker for customer adoption by enabling free text filterable columns using a regular expression based multi-level tokenizer.
- Reduced filter item related information matching response time by 85% by implementing distributed object level caching.
- Reduced real time transaction locking time from 10+ minutes to within 10 seconds by implementing direct RAM index searcher.
- Eliminated the need of full-time cluster administrator, which subsequently reduced service operation cost by 40% by implementing maintenance scripts and a management console.

Education

Peking University   B.S. IN MATHEMATICS AND APPLIED MATHEMATICS   *Beijing, China*
- *Thesis: A Supervised Learning Approach towards Ranking and Sorting Problems*   *Sep. 2002 - Jun. 2006*

University of San Francisco   M.S. IN COMPUTER SCIENCE   *San Francisco, CA*
- *Award: MSCS Scholarship for top students of the class*   *Sep. 2007 - Jun. 2009*

Publications

A New Method for Spatial Feature Extraction and Classification of Remote Sensing Image   *Proc. IGARSS, IEEE Intl. Conf.*

XI ZHANG, SHUYI ZHANG, JIANGFENG XU AND JINFEI WANG   *pp. 2727 - 2730, 2006.*

Feature Extraction and Classification with Wavelet Transform and Support Vector Machines   *Proc. IGARSS, IEEE Intl. Conf.*

S. ZHANG, X.XUE, X. XU AND **X ZHANG**   *Vol. 6, pp. 3795 – 3798, 2005*

A New Method for Multi-Source Remote Sensing Image Fusion   *Proc. IGARSS, IEEE Intl. Conf.*

S. ZHANG, X. XUE AND **X ZHANG**   *Vol. 6, pp. 3948 – 3951, 2005*

The Construct and Implementation of Complex Document/View System Based on .NET Framework   *Computer Engg. and App. Journal*

XI ZHANG, SHUYI ZHANG   *Vol 1, 2006*

Skillsets

Management   Team

Technical   Java 8, Lucene/Solr/Hadoop,.