Mo Ying (William)

Lead Developer of IBM Connections

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http://yt.vu/c/UCRFLHaVUn7bNvWLK8nFAVJA，*YouTube*
https://github.com/morningspace/，*GitHub*

Highlights

- 10+ years software design and development experience with quick learning on emerging techs.
- Strong leadership with structured coaching, mentoring skills for innovative technical team culture.
- Extensive experience in applying design patterns and refactoring in large legacy systems.
- Solid hands-on skills on full stack development with high code quality.
- Rich experience on system troubleshooting, performance tuning at application and DB level.
- Specializing in Agile(Scrum, XP, etc.) and CI/CD with customer consulting, coaching experience.
- Rich community experience inside/outside company with publications and personal site available.

Technical Specialties

- Full stack development, e.g. Node.js/LoopBack or Spring/MyBatis as backend, React as frontend.
- Microservice development, e.g. service dockerize, deploy via Kubernetes on AWS, IBM Cloud.
- Programming languages: Node.js/JavaScript/TypeScript, Java, Shell, C/C++, etc.
- NoSQL such as Elasticsearch (and ELK stack), MongoDB, Redis, etc.
- CI/CD: Git, Gradle, Jenkins, pipeline, test-driven development, etc.
- Experienced at application troubleshooting and DB2 performance tuning.

Work Experience

Lead Developer of IBM Connections
Oct 2016 - Present (2 years 5 months)

- As **lead developer**, work with world-wide architects to define system design and development process. Promote **new technology** with **innovative idea** to product. Help teams warm up new tech stack by designing **hands-on workshops**. Oversee **all** Git repositories for each squad on daily basis to ensure consistent **coding convention**, assist their **incubation** to production ready.
- As **squad lead** of a few squads at different time, lead design and development of **microservices** using Node.js, React, Redis, MongoDB, Elasticsearch, etc., also contribute code directly by writing libs at infrastructure level for others to call. Deploy microservice as Docker container by Kubernetes to Amazon AWS, IBM Cloud Private via Jenkins pipeline using CI/CD practices.
- As one of the few global **code committers**, work with developers to review and merge their pull requests, help teams achieve high code quality by raising the bar to **100%** code coverage.
- As one of the global **PageDuty responders**, be on call every few weeks or weekends for urgent customer crises on Cloud across 3 global data centers. Help on system troubleshooting as dev representative using NewRelic, LogEntries, ELK, etc.

Advisory Software Engineer
Nov 2011 - Sep 2016 (4 year 11 months)
- **Tech lead** of an IBM Connections component for 3+ years, led a **global team,** members from US and Ireland for the first 7 months, then took full ownership with a **local team**. As the only local developer for the first 3 months, keep up high productivity with **1~2** defects fixed per day. Handled **half** incoming defects to the team in the first year. Led the team on application and DB2 **performance tune-up** to meet big customer requirements for 2 years.
- **Architect** of another IBM Connections component for **massive** application metrics collecting and reporting using event-based approach with Elasticsearch as backend engine. Designed and implemented service containerization, security enforcement, data backup/restore and migration, system upgrade, load balancing, performance tune-up and monitoring solutions, both for cloud and on-premise deliveries, also involved feature development and bug fix.
- **Core member** of IBM Connections Common UI team for 1+ year, worked in a **global team** to build UI infrastructure that serves other components by using OSGi, Dojo, AMD, etc. Highly impressed by world-wide leaders due to quick learning and strong debugging skills. As a **go-to person** on wide areas, recognized as **OAuth initiative lead** to drive OAuth use in production.

Staff Software Engineer
Jul 2008 - Oct 2011 (3 years 4 months)
- Worked with world-wide colleagues to create a plugfest demo for **CMIS**, an OASIS standard.
- C++ developer in Lotus Quickr for Domino team to fix critical customer issues, then core Java developer in Lotus Quickr for Portal team to build REST services for 2 years, then key frontend developer in IBM Connections Files team to build Files UI for 1 year.

Coaching Experience

OpenTech * IBM Mini Academy
Mar 2018 - Jul 2018
- Designed and delivered the popular Node.js framework [LoopBack series](#) online webinars and offline workshop with colleagues and the LoopBack team to China local developers.

IBM UTP Instructor
2010 - 2012
- As **instructor**, delivered courses and lectures to **7**+ [universities](#) in China. Honored to receive IBM China **Outstanding University Ambassador** in 2012 and 2013, CDL UTP **Distinguished Instructor** Award in 2012.

Customer Agile Consulting
Jun 2010 - Aug 2010
- As agile **SME,** delivered agile consulting service to the China biggest telecom service provider in Hangzhou. Designed **workshops** and **trainings** based on **Disciplined Agile Delivery**, **hands-on coaching** and **co-working** with customer's teams. The project was recognized as role model at IBM **Excellent Services Delivery Campaign** in 2011.

Communities Experience

IBM Quality Software Engineering (QSE)
2012 - 2014
- **Developer top gun**, led a few programs for 2 years to help drive software innovation, deliver

business value to customer and demonstrate technical eminence to external audiences. Honored to receive QSE **Leadership Award** in 2013 and 2014.

IBM CDL Agile Community

2009 - 2010

- **Core member**, led study groups on different agile topics, e.g. **Test-Driven Development**, **Behavior Driven Development**.
- As **community representative**, had interviews with [Scott Ambler](#), [Kent Beck](#), and published articles both in internal Agile Community and on CSDN **Programmer Magazine**.

Agile China Community

2006 - 2008

- 500+ members, as **community representative**, honored to attend panel discussion with [Martin Fowler](#) in 2006.

Red Saga Group

2005 - 2008

- Focused on top open source projects localization. Co-translated Spring 2.0 Reference, Hibernate 3 Reference, Hibernate Annotation Reference, etc.

Beijing Java User Group

2004 - 2006

- 200+ members, core member, rewarded by Sun Microsystems as **Global Top 50 User Group** in 2005.

Education

- Capital Normal University, M.S., Computer Science, 2001–2004
- Beijing Technology and Business University, B.S., Computer Science, 1997–2001

Publications

- 《[集体智慧编程](#)》Programming Collective Intelligence, PHEI, Jan 2009, 豆瓣评分 **9.0**
- 《[EJB 3.0 第五版](#)》Enterprise JavaBeans 3.0, 5th Edition, PHEI, May 2007, 豆瓣评分 **8.1**
- 《[相关性搜索](#)》Relevant Search with Applications for Solr and Elasticsearch, PHEI, Sep 2017
- 《开源技术选型手册》, PHEI, May 2008
- 《赢在社交商务》, PHEI, Aug 2013

Honors and Awards

- IBM Outstanding Technical Achievement Award, 2016
- IBM Quality Software Engineering Community Leadership Award, 2013, 2014
- IBM Asia Pacific North Cluster Award, 2013
- IBM China Outstanding University Ambassador Award, 2012, 2013
- IBM CDL UTP Distinguished Instructor Award, 2012
- IBM Lotus Eminence & Excellence Award, 2011, 2013
- IBM Lotus Top Customer Contribution Award, 2011
- IBM Lotus Innovation Award, 2011
- CSDN《程序员》杂志社，年度最佳作者, 2005