David Yin

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GITHUB: http://github.com/yinhaomin WEBSITE: http://www.yinhaomin.com / http://digbase.yinhaomin.com

WORK EXPERIENCE

Senior Software Engineer (T5) in BAIDU, Inc. (2013.11-NOW)

- Published "*Implements of configurable middleware system and crawl system*" on inner tech magazine.
- BAIDU Content Purchase Union(http://cep.baidu.com)
  - Designed a common comment system just like disqus.com. By using consistent hashing, DB shard and REDIS, we build a system which can support 1 billion read and 10 million write each day.
  - Designed and implemented thread-number-configurable multi thread system, and changed the auto publish logic, by all these efforts, we can publish a news, image list or video in less than 10s, automatically and steadily check, process and publish 2 million news, image and 1.5 billion video each day.
  - Responsible for the profit calculation system. Designed and implemented task drive system by quartz, it makes the calculation steps visible, and reuse of the codes in other profit calculation is quite convenient.
- BAIDU HUI
  - Designed and implemented a configurable middleware system by using generating JAVA class from DB and reload class by JAVASIST if subscribe changed when system running. These all efforts saves half a day every time we have to change the field subscription.
  - In order to make the crawl system more adapted to html change, I rewrote the JAVA code to be groovy, and saved these codes and XPATH configuration into DB, every time we have to change the crawl logic, we just need to change the DB configuration, which makes the change of crawl logic to be really quick.
  - Designed and implemented a search system by ELASTIC and REDIS, the system support 9000 QPS every single host machine.
  - Cooperated with the user feature analysis team, designed and implemented a recommend system.
- BAIDU Prism system
  - Designed and implemented an ad analysis and calculation system. We analysis the ads PV, UV, etc. by analyze the BAIDU internet browser log and android APK from 91.com. By using this system, we can tell if the BAIDU union is normally running and how to make more money.
- BAIDU MVP system
  - Developed a front-end test system from 0 to 1, the system is based on Selenium and phantom, there are now more than 100 products in BAIDU are now using this system to do the front-end test.

Software Development Engineer in Test in WICRESOFT, Inc. (Microsoft outsourcing company) (2012.07-2013.10)

- Developed Microsoft VMM and SPF automation test system.
- Developed SIRIUS DOG platform which used to schedule test task and analyze the test report.
- Developed 4 MS store APP and successfully published them to Korean, Japanese, French and Chinese stores.

OPENSOURCE PROJECT ON GITHUB

- [Solution of Configurable Middleware](#)
- [Solution of Self-build Configuration Center](#)

EDUCATION

East China University of Political Science and Law (2008.09-2012.07)

Bachelor in Computer Science   **Rank: 4th / 60**   **GPA: 3.68/4.0**

Project Highlights: Developed the cryptographic algorithms such as AES, DES, SMS4, RSA, SHA512, etc.

HONORS & AWARDS

- Performance evaluation in BAIDU exceeds performance expectations(2016.07)
- Excellent graduate of Shanghai, certified by Shanghai Municipal Education Commission(2012.07)