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**Summary**

**System Design and Development Experience:**

* Designed and developed content publish and process platform which will process 2.1million data every day.
* Designed Common Comment System supporting 10 billion read and a billion write each day.
* Designed and developed authority system. Designed and developed search system based on ES and Redis.
* Developed and optimized crawl system and optimized the middleware system.
* Developed project test systems, developed information security and data encryption system.

**Open source Tools:** Elasticsearch, Spring, Hibernate, ibatis, Jersey, Redis, Hadoop, Netty, selenium, etc.

**Management Experience:** As scrum master, coordinate with 10 devs, and worked as several sub projects owner

**Websites:** [Github](https://github.com/bigyhm), **Capability in Algorithm:** [David Yin Timus OJ](http://acm.timus.ru/author.aspx?id=183808&sort=id), **Blog:** [Yin Haomins Blog](http://www.yinhaomin.com)

**Project Experience**

**Content Purchase Union (http://cep.baidu.com/) (2015.04- Now)**

* Designed, developed a profit calculating system based on the analysis of ads log, content log and Baidu Palo.
* Developed a task drive system, drive all of the tasks run in reliable and visual way.
* Designed, developed auto publish content platform, which will process and publish 2.1 million data.

**Common Comment Platform——Support 10 billion read and billion write(2015.10-2016.05)**

* Designed a system used redis, consistent hashing, DB sharding to support 10 billion read and billion write each day. The design detail is in [Common Comment System Design](http://www.yinhaomin.com/2016/04/01/Common-Comment-System-Design/).
* The project can support various kinds of APPs, support various kinds of comment show style.

**Baidu Hui (**[**http://hui.baidu.com**](http://hui.baidu.com)**)——The product recommend system based on big data (2015.04-2016.04)**

* Developed a search system based on ES and redis, the system support search and filter.
* [Optimized the middleware system](http://www.yinhaomin.com/2016/04/14/Dynamically-generate-class-and-set-its-fields-value/), made it configurable, so we have no need to code when have to update.
* Optimized the crawl system, rewrite the codes by Groovy, and use java codes to eval the Groovy codes
* Based on Spring AOP and Filter, developed an authority system. Developed a point and experience system.
* Cooperated with the feature analysis team, developed a product recommend system.

**Baidu Ad Union Prism System——Competitors analysis system based on big data(2014.09-2015.03)**

* Analyze the Baidu Mobile Explorer log, get the ad info and analyze the competitors’uv, pv and customers.
* Analyze the data got from upper analysis and tell if the Ad union is normal running and how to get more money.

**Baidu Cucumber UI test platform——A test drive platform(2013.11-2014.08)**

* Developed the test client driver based on Netty and cucumber, a portal to submit test cases and kick off test.
* Designed the whole system and scheduled the development, wrote most of the backend codes.

**Microsoft Service Provider Foundation/Cross platform VMM Test Project (2012.02-2013.10)**

* In charge of ESXi and Xen test which is used to do the test of the SPF operating on VMM to drive the VMware.
* In charge of the Gallery test coding and project schedule, manage and drive the new members.
* Designed, develop the whole VMM test framework from zero. Use Hyper-V and SuiteP2 to drive the test codes.
* At the meantime, using the .Net for Windows Store, developed Windows Store APPs based on the WPF.
* Successfully released the APPs on Windows Store and got the Microsoft certificate of APP development

**Microsoft Sirusdog Platform(2012.11-2013.03)**

* The sirusdog is a website which is used to manage our test resources and schedule tasks.
* Write the codes of the website framework and the corresponding control with DB server in C#.
* Design the UI using CSS to make the website more approachable.

**Cryptology Programming Project(2009.09-2011.07)**

* Have programmed the cryptographic algorithms such as AES, DES, SMS4, RSA, SHA.
* Developed a solution to make the Airplane and the Air Traffic Tower to communicate in an encrypted way.

**Companies**

* **Baidu, Inc.** T5 RD (2013.11-Now)
* **Wicresoft-Microsoft Outsource** SDET2 (2012.02-2013.10)

**Others**

- **English Ability:** Full professional proficiency, cooperated with Americans and Indians for 2 years.

- **Important Reward:** Excellent graduate of Shanghai, certified by Shanghai Municipal Education Commission.