**Zhichen Zhao(George Zhao)**

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**SUMMARY OF QUALIFICATION**

* 5+ years of experience in mainstream programming languages such as Java, Python, JavaScript, and PHP.
* Excellent communication skills, work ethics and 5 years in AGILE software development experience

**EDUCATION**

* **Argosy University**

MBA                                                               Sept 2010 – March 2012

* **Washington State University Vancouver**

BS in Computer Science                                                        May 2009

* **Lower Columbia College**              **(LCC)**

Associate degree in Computer Science                             June 2006

**TECHNICAL EXPERIENCE**

* **Database** MySQL, Oracle, Postgre SQL, Mongo DB, and Cassandra
* **Frameworks** CodeIgniter, Zencart, Laravel, Magento, Wordpress, Flask, and

Django

* **JS** Angular.js, Node.js, Backbone.js, JQuery, and etc.
* **CSS** Bootstrap , Foundation, and etc.
* **System** Apache, nginX, Microsoft, Tomcat/JBoss, Linux Servers.

**WORK EXPERIENCE**

**Software Engineer at NBC Universal Antipiracy Department (Oct 2012 – now)**

* Lead architecting and implementing on SiteDB database, an NBC internal infringing site list (roughly about 15,000 sites). Built Python-based crawler to multi-thread the information collection process, such as Whois, Site status, Alexa Rank, Comscore (SOAP API), Ads Networks, and Payment processors.
* Architected and built Node.js, Angular.js based Web Interface for SiteDB. Created business analytic, interactive tools for the whole team.
* Lead designing and building MySQL database and Python scripts to multi-thread YouTube APIs and collect all NBC titled content. Managing and updating the multi-billion record database daily.
* Designed and built Eavesdrop Project, which monitors infringing links on the fly from more than 10,000 sites (go through 10 million links weekly).
* Architected and built MongoDB and Kassandra based database to store massive NBC analytic data from YouTube—multi-billion records tables.

**Webmaster and Database Engineer AT Home Paradise Inc. (Jan 2010- Sept 2012)**

* Managing a database with hundreds of thousands of product and E-Commerce website.
* Building security features into existing system to prevent SQL injection, Session Hajacking, Session forgery, Brute Force Login, Cross-Site Scripting(XSS), CSRF and etc
* Building and maintaining web interface using Zend Cart (PHP Framework), MySQL(database), Foundation (CSS),
* **Project A:**

Web Interface: Apache (sits on linux server), Angular (Databinding, Filtering), Memcache (Server cache), JQuery (Event handling, Data Manipulation), and JQuery UI (Business Graphics)

Implemeting additional security features to.

INTERSHIP AT LCC IT DEPARTMENT                                          FALL 2009-Spring 2010

          Work at IT department at LCC for 20 hours a week.

          Doing updates and fixing dysfunctional computers. Effectively responds to service requests once they are posted.

          Designing and creating software programs that can be used at LCC Website

WSU                                                                                    SPRING 2009

         Participated in a Location Based Service Team that uses mobile technology. We used a new technology Ice(a variation of EJB) for the interface the allows the communication between the server(JBoss Server) and various other clients(it can be written in any other languages such as C, C++, Objective C etc).

         I am in charge of web interface of the team project. I used technology, such as HTML, Javascripts, CSS and XML, for the web interface so that the clients could also see their own path/location online. I also used JServlet and Ajax to communicate between the server database and the web interface.

         I am also very familiar with JUnit testing which I used to test out most of the server code in this project.

         I have written some simple compilers which give me very good understanding of Heap, Stack, Scope and memory allocation in C.

**AWARDS AND ACHIEVEMENTS**

WSU VANCOUVER                                                                                    FALL 2006-SPRING 2008

         Transfer Scholarship Recipient(with transfer GPA 3.6 or higher)

         Completed a Location Based Server Application team project with 12 other classmates.

LOWER COLUMBIA COLLEGE                                                        FALL 2004-FALL 2006

         Dean’s List for 2004-2006