**Amy H. Huang**

amy.huangh@gmail.com

 925.290.8165 (cell)

**OBJECTIVE**

Seeking a challenging Software Engineer position focusing on Java/Python development.

**TECHNICAL SUMMARY**

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| --- | --- |
| **Programming Language:** | Python, Java, JSP, CSS, XML/XSLT, HTML, PHP, Javascript, JQuery, JSON, AJAX, SQL, Unix/Linux shell commands |
| **Server Technologies:** | RabbitMQ, Celery, Django, J2EE, Java Servlet, EJBs |
| **Development Tools:** | SVN, GIT, Eclipse, PyCharm |
| **Testing Technologies:** | Bugzilla, JUnit |
| **Tools:** | Nagios, Bitbucket, Jenkins, Workbench, PHPMyAdmin |

**PROFESSIONAL EXPERIENCE**

***Lawrence Livermore National Lab, Livermore, CA 2010March ~ Current***

Python Developer, Bio-Defense Bio-informatics

* Design and Implement Web Servers by using Django and python languages. The websites can be publicly viewed at <http://psat.llnl.gov> and http://cgp.llnl.gov
* Use Celery, RabbitMQ technology to allow multiple threads dispatching the heavy front load jobs into multiple parallel computing tasks. It greatly speeds up the biological computation performance.
* Design and implement database schema for the servers above, and apply into MySQL database.

***Joint Genome Institute, Walnut Creek, CA 2012May ~ 2013July***

Java Developer, Production Process Support Team

* Design and Implement Web Services by Groovy / Grails. We use Spring Tool as IDE to implement the web services. The web service is used by genologic software, a 3rd party software, which is for experimental data management and curating.
* Design and implement Genologic configuration. The code changes are Java based Grails code, and embedded plugin for the Genologic tools.

***eBay Inc, Campell, CA 2010Jan ~ 2010May***

Quality Engineer, eBay Catalog team

* Work with eBay Catalog team Developer, design and implement Junit test cases in Eclipse. The test cycle is agile based methodology and release to production every two weeks

***Acquisbi Inc, Los Gatos, CA 2009Nov ~ 2010March***

Senior Java Developer/Consultant, Michigan State Geographic Framework Center

* Work with team of 3 engineers, and develop a workflow tool for Michigan State Geographic Framework Center. Use the following Java technology, AJAX, JSON, JSP, J2EE. The tool is running inside oc4j application container by Oracle
* Interface with Navigator team and Oracle Database team to allow the content management tool to create a task, assign a task, edit a geographic road change, and view the dynamic state map. The frontend is using UDT classes to interact with Oracle Database to make a content change.
* Document the project to-do-List, and Provide the Project Status and Estimate to both client and development team on regular basis.

***Hewlett Packard, Cupertino, CA, 2001-2009***

(Comment: The following are different projects, which I have worked in HP)

Java Developer, Redirection Server, Beyond the Box (PSG), Hewlett Packard

* Designed, implemented and deployed a redirection infrastructure, and coded by using internet technologies like Java(J2EE), XML, BEA Weblogic application serer, Apache Web server and Oracle database. The new infrastructure is receiving 18 million traffic hits per day.
* Developed a transition plan which successfully transformed the legacy Compaq and HP redirection server into this combined infrastructure. As a result of transition, it significantly reduces HP maintenance costs on the redirection services.

Java Developer, Redirect Content Management System, Beyond the Box (PSG), Hewlett Packard

* Designed and implemented a web-based redirect Content Management tool, which automates the redirection content updates process. This includes several time-saving features, such as cloning the contents based on the date and creating contents in a batch mode. The tool is written in JSP, Java(J2EE), BEA Weblogic, and Oracle Database.

Java Developer, Rubik Content Management System, Beyond the Box (PSG), Hewlett Packard

* Designed, implemented, and deployed a web-based online tool which is called Content Provisioning System (CPS). This tool automates the process of creating and changing the Marketing Internet Services Offers for the HP Desktop, Laptop peripherals, etc. The tool improves the quality and efficiency for publishing the HP Partner Internet Services (ISP) Offers on the HP servers. The tool is written in XSLT, Java, Servlets and EJBs.

Localization Manager and Frontend Developer, Beyond the Box (PSG), Hewlett Packard

* Designed, implemented and released User Interface portion of window based software which is called Easy Setup. This software is a pre-install program that allows HP PC customers to easily get their PC purchase experiences right out of the box. Coded the frontend component by using HTML, XML, XSLT, CSS and Javascript.
* Designed the localization solution that allowed easy content management for over thirty six languages, four platforms and two brands.
* Managed the timeline, requirements, and specifications for regional localizers to begin their work.
* Interact with Shanghai and Munich team on daily basis, to trouble shoot any issues with localization and testing.

***IBM, Almaden Research Center, San Jose, CA 06/2000 – 08/2000***

**Student Researcher**

* Work with senior IBM research staffs on investigating a new technology for storing users’ file on the internet by using IBM Internet Storage Services. Wrote a tool called Clipper which sent the local contents as binaries to remote storage server. Coded Clipper by using C++ language.

***Extensity Inc, Berkeley, CA 06/1999 – 08/1999***

**Student Intern**

* Work with software development team and help on the coding and testing of employee relationship management (ERM) solution.

**EDUCATION**

Bioinformatics Graduate Certificate program, Stanford University, GPA: 4.0

BA, Computer Science and Molecular Cell Biology, UC Berkeley, Major GPA: 3.78

**LANGUAGE**

Fluent English, Native Chinese

**CITIZENSHIP**

US Citizen