

Chloe Beelby

coolbreezechloe@gmail.com | 317.640.4431

EMPLOYMENT OBJECTIVE

I am interested in a position which involves work as a leader on a software engineering team. I have knowledge in a wide range of areas and have in-depth experience in areas such as software development, database systems and Linux system administration. I am looking for a position where I can make a meaningful contribution and an environment where diversity is embraced and celebrated.

EMPLOYMENT HISTORY

Allstate

May 2015 to Present

- Completed a major re-factorization of a large code base making it much easier to understand and easier to update in the future.
- Working primarily in Python on Linux based systems running Hadoop. Using technologies such as PySpark, Hive, Hue, Hadoop, and Impala. Creating new functionality in the existing program and also involved in bug fixing and test case creation for the program.
- Lead project to migrate the team from SVN to Git including presenting multiple hour long talks and Q&A sessions for those unfamiliar with Git.
- Lead project to create a regression utility which takes the output generated by the weekly process and compares it against and previously known good output to detect changes in the data which are not acceptable. The trick is that some changes are expected and allowed. The analysis mainly works by looking at histograms of values for a given column between the last known good copy and current copy to determine if the change rate is above an acceptable threshold.
- Involved in daily scrum calls, weekly team code review session, backlog refinement, sprint planning and other agile related activities.
- Worked with a team which is partly on site and partly remote. We regularly have phone meetings and web-ex session with screen sharing to make sure that everyone is on the same page even though we are not in the same location.

USA Football

Apr 2011 to May 2015

- Involved in bug fixing and creating new functionality in the custom web based software product which was written primarily in PHP using the CakePHP framework
- Also involved in modifications and customizations to a Drupal installation and some WordPress sites
- Lead project to migrate nflflag.com website from previous owner to USA Football's control.

- Customize jQuery to provide dynamic look up and registration features on the site which access back end data stored in PostgreSQL databases.
- Completed major rewrite of legacy code and functionality (in PHP / MySQL) resulting in better performance and more user friendly system.
- Provide guidance to team on the creating of a reporting system for the internal executive team. This includes guidance on understand reporting schema such as the star schema and on using Python as a tool for performing the ETL process.
- Regularly work with PostgreSQL in many different aspects from installing, configuring, query performance tuning and query analysis. Also database design.
- Regularly attend local Python meet-up group and give talks on topics such as Unicode and decorators.
- Completed major migration of all of our servers from Rackspace to Amazon Web Services.
- Moved all of our repositories from in house git hosting to private repositories on BitBucket.
- Use git daily including providing guidance to other developers and designers and explaining concepts of source control to those who are unfamiliar with it. I put in place policies for branch management and merging in changes from the team.
- Help maintain and update automated deployment system (Capistrano) for releasing code changes and database migrations.
- Configure and deploy Nagios monitoring system. Setup text messaging of alerts from Nagios using Twilio.

Press Ganey Associates

May 2007 to Apr 2011

- Worked on major project to convert old CMS system to a Microsoft Dynamics AX system.
- Involved directly with financial department in requirements gathering for modifications to the AX accounting system.
- Implemented code changes to the AX accounting system and worked with QA department to test functionality.
- Responsible for upgrading AX system including resolving code conflicts in patches provided.
- Worked closely with DBA team and business users to develop reporting facilities.

Raytheon

Sep 2006 to Apr 2007

- Worked on the Future Combat Systems team
- Developed software according to design specification in Java
- Created test cases for software and participated in a regular peer reviews of both code that I had written and code written by others on the team
- In addition to development on windows machines, much work was done on Linux including testing of the main software product which ran on machines with a Linux operating system.

Press Ganey Associates

June 2005 to Aug 2006

- Created JDBC compliant driver for Sales Logix software
- Took existing PHP applications and converted some of them to JSP / Servlets
- Expanded existing authentication system for intranet (written in PHP) to allow for groups to be assigned privileges and for security information to be stored in a MySQL database
- Worked with the Eclipse IDE and Ant to build deployable WAR file and console based applications
- Involved in maintenance, enhancements, and bug fixing of existing C/C++ and PHP code base
- Almost all code written ran on machines using Linux and running an Apache web server.

Cutting-Edge Labs (self-employed)

2001 to 2006

- Created solutions for clients using technologies such as PHP, Apache, MySQL, Linux, HTML, CSS, and JavaScript
- Custom websites with secure administrative interfaces for maintenance. Basically early content management systems.

Datanet Technologies, Inc.

Jan 2001 to July 2002

- Continued my use of VB, ASP, HTML, JavaScript, SQL, and Access to create systems such as an on-line shipment tracking system and inventory tracking system for the clients of Datanet Technologies
- Created a tablet PC based survey system for patient satisfaction surveys used by hospitals and outpatient care facilities

Skyenet Internet Services

June 1999 to Jan 2001

- Designed a time clock in Visual Basic with information stored in a Microsoft SQL Server
- Other technologies I worked with included ASP, HTML, JavaScript, and Microsoft Access.
- Completed projects such as an internal inventory tracking system with secure web based interface

E D U C A T I O N

B.S. Computer Science

Indiana University, 2005

- Major GPA 4.0 (cumulative 3.67)
- Graduated with Honors
- Received Computer Science Excellence Award
- Member of ACM

A.S. Computer Technology

Purdue University, 2002

- Major GPA 3.91 (cumulative 3.81)
- Graduated with Honors

REFERENCES

References available upon request