

Zack P. Bartel

Summary Four years experience developing software applications using a variety of techniques and technologies. Worked on and managed Debian and Red Hat Linux, Mac OS X and Windows systems.

Skills Languages: C, Objective-C, C#, Java/J2EE, PHP, SQL, ASP.NET, JSP
Databases: PostgreSQL, MySQL, Oracle 10G, SQL Server
Experience: Linux and Unix administrator/developer, C++, Python, Perl, Ruby, Qt3,
Bash, CSS, Javascript and JQuery, XML/XSLT
Software: Nginx, Apache 2, Tomcat, memcached, TCP/IP, Synergy, svn, CVS, git

Experience 4/08- GetBack Media, Inc Los Angeles, Ca

Senior Systems Engineer

- Act as team lead to develop PHP LAMP web application for web startup
- Migrated and managed 30 server Debian Linux infrastructure to Amazon EC2 and S3
- Work closely with business development, product and content departments through all phases of development lifecycle to successfully create social media company
- Integrate and interact with data from many sources: Private media providers, Flickr, MSN Video, YouTube, SeeqPod, PhotoBucket, OpenID, Facebook
- Develop tiered site and media caching: Webserver filecache, Memcache, LimeLight CDN

6/06-4/08 Tectura Corporation Bellevue, Wa

Aerospace Software Engineer

- Designed, developed and implemented C API for data access using libpq and PostgreSQL backend
- Worked closely with clients in a highly regulated aerospace industry to solve security, performance and design related software problems
- Cross platform development for Linux Intel and PowerPC architectures in C/C++
- Designed XML to SQL transformer in C and migrated the in-place XML to relational PostgreSQL database to increase performance
- Design Implement and improve upon Airplane Health Management J2EE Web Application using JSP, Oracle and Java backend
- Developed Java SWT based application to analyze and present flight data
- Developed and tested customized distribution of the GNU/Linux Operating System
- Developed RPM spec files for installing Java/JBoss application server software
- Worked with Open Source community to develop and improve Open Source software for use on the aircraft

10/05-9/06

OSU Open Source Lab

Oregon State University

Student Software Engineer

- Software Developer for PHP4 Network Management Application
- Architect of UI layer, DB layer and user management layers in PHP4 for the Maintain project
- Developed database data object layer on top of DB_DataObject
- Rearchitected Maintain to use an object oriented PHP library
- Worked in a team to design, develop and test open source Linux, Apache, MySQL, PHP web application
- Developed customized PHP4 Session management for security

7/04-11/05

Business Solutions Group

Corvallis, Or

Student Software Developer

- Developed ASP.NET web applications using C#, SQL Server and Microsoft development tools
- Used a variety of tools such as object-relational mapping tool Hibernate and unit testing framework NUnit
- Developed software using an iterative Extreme Programming approach to software development
- Designed and implemented web application through all phases of the software design lifecycle
- Worked closely with clients to develop requirements and assess progress

Education 2006

Oregon State University

Corvallis, OR

BS Computer Science

Minor Business Administration

References available upon request.