Zack Bartel

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in zackbartel
◉ zackb

Servers ⋆ Systems ⋆ iOS ⋆ Android ⋆ Distributed Computing

QUALIFICATION SUMMARY

- Nine years of experience developing software applications using a variety of techniques and technologies
- Grown businesses by consistently delivering software solutions for all layers of the technology stack

TECHNICAL SKILLS

- **Programming Languages**: Java, C, Objective-C, C++, Groovy, Javascript, Python
- **Web Frameworks**: Grails, Spring, Play!, Undertow.io
- **Databases**: MySQL, Redis, PostgreSQL, Oracle 9/10g

GITHUB PROJECTS

- **zackb/code** - Toolbox
  - Code snippets

PROFESSIONAL EXPERIENCE

Jan. 2010 - Current
Senior Software Engineer, *Frequency*, Los Angeles, CA.
- Built web video indexing system to scale to crawling 2000+ unique urls per second
- Code html rendering and javascript execution interface in C++ using the WebKit engine
- Design and implement REST API for all Frequency clients, products, and partners
- Built image serving infrastructure to redundantly scale and serve 1000 resized images per second
- Designed and developed iOS applications for iPad and iPhones/iPod
- Designed and developed Android applications for TVs, Tablets, and Phones
- Technologies got to work on: Grails, AWS, MySQL, MongoDB, Redis, Memcached, RabbitMQ, Tomcat, Nginx, iOS, Android

Apr. 2008 - Jan. 2010
Software Engineer, *GetBack Media, Inc*, Santa Monica, CA.
- Act as team lead to develop PHP LAMP web application for web startup
- Migrated self-hosted solution to Amazon EC2 and S3
- Integrate data from various sources: AMG/BMG/UMG, Getty, Flickr, MSN Video, YouTube, SeeqPod, PhotoBucket, OpenID, Facebook, Twitter
- Technologies got to work on: PHP, Nginx, MySQL, AWS, Linux, Java, ActiveMQ

Jun. 2006 - Apr. 2008
Software Engineer, *Tectura Corporation*, Seattle, WA.
- Worked with clients in a highly regulated aerospace industry to solve security, performace and design related software problems
- Cross platform development for Linux Intel and PowerPC architectures in C/C++
- 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 custom distribution of the GNU/Linux Operating System to be used on the aircraft
- Worked with Open Source community to develop and improve Open Source software to be used on the aircraft
- Technologies got to work on: Java, SWT, Spring, C, C++, Linux, PostgreSQL, Oracle 10G

Oct. 2005 - Sep. 2006
Student Software Developer, *OSU Open Source Lab*, Oregon State University.
- Develop network management software for Oregon State University
- Technologies got to work on: PHP, Perl, Apache, MySQL, Linux, xen

July. 2004 - **Student Software Developer**, *Business Solutions Group*, Oregon State University.
Nov. 2005 ◦ Design and develop custom software solutions for various business entities
◦ Used ASP.NET, C#, and SQL Server to solve customer needs
◦ Technologies got to work on: C#, .NET, SQL Server

OTHER PROJECTS

- Did that thing
  ◦ Got first place.

EDUCATION

2006 **Bachelor of Science, Computer Science**, *Oregon State University*.

2006 **Bachelor of Science, Business Administration**, *Oregon State University*.

UNDERGRADUATE COURSES TAKEN

◦ Computer Networking   ◦ Database Management Systems

◦ Computer Graphics   ◦ Graph Theory

MEMBERSHIPS

- Member of the ACM awesomest humans secret group, 2008-present

EXTRA CURRICULAR AWARDS

- President, Chi Phi Fraternity