

Brad Harris

brad.harris@robotsandpencils.com | [view pdf](#)

Technical Skills

- **Software Development** - I'm extremely passionate about developing software. These are some of the more common technologies I've used in doing so:
 - **Javascript** - I love it, on the server and the client. I'm familiar with many client-side libraries and love [node.js](#). I find taking a minimalistic approach to webdev can go a long way.
 - **Go** - Built various Services & APIs using Go. I've found the strong typing, testability and performance of the language to be great for many use-cases.
 - **PHP** - I've used many frameworks and libraries such as [Zend](#), [Doctrine](#), [Twig](#), and have architected and written custom frameworks and libraries as well.
 - **Java** - Two and a half years programming in Java on an enterprise web application. Proficient with [Struts](#), [Spring](#), [Hibernate](#), and [Tomcat](#).
 - **HTML & CSS** - I'm a big fan of semantic markup and modular CSS. [LESS](#) is more.
 - **Apache** - I'm very familiar with configuring and managing Apache web servers
- **Databases** - Experienced in [MySQL](#), [SQL Server](#), [Oracle](#) & [Redis](#), BigQuery, Google Cloud Datastore and [MongoDB](#).
- **Version Control** - [Git](#), [SVN](#).
- **Testing** - Strong background and love for unit testing across all languages, from client-side unit tests to backend unit tests. I find decomposing layers of systems a useful approach to writing good tests.
- **OS** - Comfortable w/ Mac, Linux & Windows

Work Experience

- **Robots and Pencils** - **Castle Rock, CO**
 - *July 2015 - present*
 - *Lead Developer:* Co-founder of [Beep Boop](#), architecting and building services and the front-end for the product. Also consult for clients and projects around web technologies and chat bots.
- **Yahoo!** - **Denver, CO**
 - *November 2012 - July 2015*
 - *Principal Software Engineer:* publishing tools - node.js, modular UI with browserify, node.js middle tier for service orchestration.
- **Pearson** - **Denver, CO**
 - *July 2012 - November 2012*
 - *Senior Software Engineer:* Building realtime, evented web applications for [OpenClass](#) utilizing technologies such as node.js, redis, websockets, and backbone.js.
- **Yahoo!** - **Denver, CO**
 - *November 2010 - July 2012*
 - *Senior Software Engineer:* Worked on maintaining, and internationalizing the Yahoo! Contributor Network (originally AssociatedContent.com). This included architecting and writing integration libraries to handle interfacing with existing Yahoo! services. This work was mainly on a LAMP stack, and I spent most of my effort writing PHP. I also worked on internal publishing tools built on node.js.
- **New Mexico Department of Game & Fish** - **Santa Fe, NM**
 - *November 2008 - November 2010*
 - *Senior Developer:* Played a vital role in the re-architecture and development of the department's existing systems into a LAMP based architecture. I developed in PHP and MySQL using Zend Framework, Doctrine ORM and the YUI javascript library. I was involved heavily from the back-end and architecture of the system, to the front-end engineering and design. Major accomplishments include extensive performance and optimization work to handle high workloads in a load-balanced environment as well as designing and building a new lottery and accounting system that was responsible for billing millions of dollars annually. I implemented caching utilizing APC for data retrieval and view rendering.
- **Justice Systems** - **Albuquerque, NM**

- *May 2006 - November 2008*
- *Programmer Analyst:* Working in a J2EE environment on a web-based Court Management System. The project utilized Struts, Spring, Hibernate, and Tomcat. My major accomplishments included creating our own Javascript framework wrapping YUI for maintaining our rich interface components. I built highly interactive and user friendly interfaces that increased performance for our users.
- **ePliant Marketing - Orem, UT**
 - *April 2004 - August 2005*
 - *Web Developer / Programmer:* Built various web-systems from eCommerce sites to back-office administration systems for clients, such as dentists and real estate companies. Worked mainly in PHP and with MySQL.
- **Brigham Young University Museum of Art - Provo, UT**
 - *January 2002 - March 2004*
 - *Web Developer:* Maintained the museum's public Internet website, and helped with the integration of an art management system into the public website. I also helped with design projects for the Museum's advertisements.

Education

- **Utah Valley University - Orem, UT**
 - *Graduated April 2006*
 - BA, *Information Systems* (3.53 GPA)
- **Brigham Young University, Provo UT**
 - *September 1998 - December 2003*
 - Courses in Computer Science, Information Technology and General Education

Community Service & Accomplishments

- **Mexico City, Mexico**
 - *July 1999 - January 2001*
 - *Christian Volunteer:* Shared Christian message and served the people of Mexico. I supervised four to six other volunteers and became fluent in Spanish.
- **Eagle Scout**
 - Achieved the rank of Eagle Scout in the Boy Scouts of America