

# Derek Ryan Hildreth

63 Shallow Brook Ln, Belgrade, MT 59714, (406) 696-1740

sendderek@gmail.com  
http://derekhildreth.com

## Education

- **Brigham Young University - Idaho** Rexburg, ID  
*Bachelor of Science in Computer Engineering; GPA:3.00* Jan. 2004 – Dec. 2009
  - Key Courses: Object Oriented Software Development, Data Structures, Computer Architecture, Data Communications, Real-Time and Embedded Systems, Digital Systems Design
  - **BYU-Idaho Linux/Unix Society:**
    - \* Mentoring Coordinator (Web Development) - Coordinated members of the society with new students
    - \* Secretary - Documented and updated society webpage and communicated with other departments
    - \* Performed undergraduate research on Web 2.0 and Beyond

## Experience

- **Technologic Systems** Fountain Hills, AZ (*Telecommute*)  
*Full Stack Web Developer / eBusiness Manager* May 2014 – Present
  - Developed custom e-commerce website using Laravel PHP, Forge, Envoyer, AWS, Linode VMs, Apache Solr
  - Developed automation tools and applications to assist with business operations
  - Raised brand awareness through relevant and engaging projects and write-ups published in print and online
  - Strategized to improve website traffic scores by 250% and first SERP appearances by 350%
- **Oracle Corporation (Legacy RightNow Tech)** Bozeman, MT  
*Application Engineer 2, Current Engineering* Feb. 2013 – May 2014
  - Resolved software defect incidents reported by customers in APIs, mail processor, and CX Console
  - Determined incident service pack eligibility for inclusion in older versions of the product
  - Communicated effectively with development teams to resolve incidents using approved patches

*Applications Engineer 2, Core API Scrum QA* Aug. 2012 – Feb. 2013

  - Performed QA testing and unit test development on highly technical Core API scrum team
  - Demonstrated new product functionality to product owner and other interested stakeholders
  - Enforced the definition of story and feature package acceptance and completeness
  - Analyzed user requirements for stories and provided end-user point of view feedback to product owner
  - Worked directly with product code and source tree in development environment

*Applications Engineer, CX Platform QA* Sept. 2010 – Aug. 2012

  - Automated and maintained testing of APIs using Agile & Continuous Integration methodologies
  - Developed and supported test automation frameworks for CX Console UI and Customer Portal UI
  - Ran quarterly regression testing on upcoming general product releases to ensure the highest quality possible

## Skills

**Technologies** C/C++, Python, PHP, MySQL, HTML, CSS, JavaScript, Node.js, jQuery, AWS S3 and CloudFront, Zurb Foundation, Twitter Bootstrap, MVC Frameworks (Laravel, CodeIgniter, Pyramid), Regex, Advanced Unix Shell Scripting, GDB, GIT, SOAP, WSDL, JSON, XML, XPATH, REST API, Nunit Framework, Envoyer, Laravel Forge

**Computer and OS** Linux/Unix/Embedded Linux, Mac OSX, Windows, Virtualization (VirtualBox, VMWare); OS installations; BIOS & EFI setup; LAMP/LEMP server administration; Cloud computing; API development, SendGrid

## Projects

**BHS API Server** Embedded system using sensors and Node.js to report live pool temperatures to BHS website

**TS-PCS** Laravel web application with admin dashboard and API for communicating product changes to customers

**Pydom** A Python crawler that parses webpages for interactive elements and catalogs them in XML for Selenium input.