

## **Web Developer - Specializing in Open Source Solutions**

Dynamic and energetic Software Engineer looking for new challenges and a collaborative team where we can make a positive impact on the world around us. Passionate about researching and working with new technologies. Consistently provides solutions with the customer experience in mind.

### ***Professional Experience***

**Drupal Software & DevOps Engineer at CU Boulder, HIT, Boulder, CO – Jun '14 to Present**

#### ***DevOps Engineer:***

- Implemented Jenkins and supporting scripts for automatic staging and production server deployments, and system procedures
  - Use Fabric (python) and bash scripts for repeatable, and secure deployment
- Use Ansible and Vagrant for our local development environments. Anyone on the team can have a brand new instance of any of our live sites, with a current database, in less than five (5) minutes.
  - Improved on boarding of new developers from several days, to productive on first day on the job.

#### ***Supervisor:***

- Direct supervisor for Student web developers
- Mentor students on development processes, for example:
  - Agile processes
  - GIT
  - Drupal Features Module
  - Drupal best practices
- Assign tasks during sprint planning sessions
- Dramatically improved on-boarding of all new developers.

#### ***Strategic Planning:***

- Architect solutions for customer needs
- Work with the web systems manager on strategic planning
- Improved development processes
  - Implemented use of staging server
  - Implemented Features for moving configurations between dev, staging, and production.
  - Cleaned up code base for easier creation of features and custom modules

#### ***Lead Drupal Software Engineering:***

- Developed custom module for getting logged on student information, including building address, roommates, staff, etc. from StarRez and MyRoom module information.
- Work with Rehab Creative, off site contractors, to make sure MyRoom module upgrades are in compliance with department requirements
- Configure LDAP on all sites for user login authentication, role assignments, and getting user information such as names, job title, etc.
- Perform code reviews on team's code

**Drupal Community Volunteer, 2008 to present**

- Volunteer in multiple capacities for Drupalcons
  - Organize Women in Drupal meet and greet receptions
  - Global and local track chair for being human, community, coding, and site building tracks.
- Contributed support, modules, and patches to drupal.org

- Session presentations at DBUG meetups, multiple DrupalCons, and multiple Colorado DrupalCamps

#### **Drupal Developer at Aten Design Group, Denver, CO – Jan '13 to May '14**

- Back end developer for multiple client sites.
- Developed custom modules in support of client sites. Some examples include:
  - Built a module that automatically created organic groups, and assigned users to the groups, dependent on a specific node type submission. This same module also removed individuals from groups, upon specific actions.
  - Built a module that calculated application scores based on submission criteria and application evaluations.
  - Built a module that was dependent on Password Tab ([https://www.drupal.org/project/password\\_tab](https://www.drupal.org/project/password_tab)) that kept the user on the tab until they changed their password if they came from first login, or a force login link. (Unfortunately did not get a chance to contribute this module.)
- Submitted patches for contrib modules.
- Created features in support of customer sites.
- Worked with the support group to support multiple client sites. This entailed switching gears a lot, and having to be able to find the root of the issue.

#### **Drupal Developer at Gaiam, Inc, Louisville, CO – Jul '11 to Dec '12**

- Back end developer for multiple Gaiam, Inc. Drupal websites; primarily <http://GaiamTV.com>
- Extensive use of views and Page Manager pages to add functionality to the site.
- Develop custom code; including code to alter views, panels, create custom context converters for panels, custom functions, etc.
- Work on the theme layer in both template.php and CSS files.
- Develop jQuery functions in support of the site

#### **Drupal Developer at UBM Canon, Westminster, CO - Nov '09 to Jul '11**

*Contractor from November 2009 – April 2010, hired as a permanent employee April 2010*

Lead Developer on Drupal development team for <http://www.Qmed.com>, with a projected revenue of \$3-4M/year.

- Member of team since site inception to production, through continued maintenance and updates.
- Integrating Qmed.com with other medical publication sites through shared taxonomy and Apache Solr searches.
  - Developed custom module for sharing taxonomy and contributed it back to the Drupal community.
  - Moved Qmed.com's Apache Solr index to a new server, and included medical publication indexes
- Implemented Memcached to dramatically decrease page load times for site visitors.
- Developed and maintained custom modules in support of project requirements.
- Built Views to present customized information on node pages and within blocks.
- Utilized SVN and GIT for design and development revisions.
- Utilized drush (command line Drupal tools) for more efficient site maintenance on multiple sites.

#### **Drupal Developer, pingVision, LLC, Boulder, CO - Sep '09 to Nov '09**

Support customer projects with development and customization tasks as required by project:

- Developer on <http://www.californiawatch.com> website, launched January 2010.
- Built custom content types for project-required nodes.
- Built custom Views to present information from content types in pages and blocks.
- Utilized contributed module, context, to easily apply blocks to specific pages based on specific criteria, such as taxonomy terms, or specific views.
- Applied semantic views on blocks as directed by the themers.
- Researched, installed, and configured contributed modules to build site in compliance with customer requirements.
- Utilized svn for version control of design and development environments.
- Utilized drush for module downloads, installs, and updates.

**Web Developer/Systems Administrator**, TransMagic, Inc., Westminster, CO - May '08 to Sep '09

- Automated company systems, resulting in a reduction in administrative support, from two full-time administrators, to one part-time administrator.
- Managed Drupal development and customization for increased ease of use and customer experience.
- Managed, developed, and customized vtiger CRM in support of TransMagic business processes.
- Managed company infrastructure, including Windows and Linux Servers hosted both internally and externally.

**Web Systems Administrator**, Seminis Vegetable Seeds, Oxnard, CA - Jul '02 to Aug '05

**Web Systems Administrator**, Teradyne, Inc, Mar '98 – Jun '02

**Systems Administrator/Technical Support**, PacFab, Inc. Apr '96 – Feb '98

**Education**

- **MBA - Pepperdine University, Graziadio School of Business**, Malibu, CA, April 2002
- **BS, Computer Science - California Lutheran University**, Thousand Oaks, CA, Cum Laude, Feb '98

**Professional Development**

- **Certified ScrumMaster Training**, Rally Software, 2015
- **Mastering Ansible**, Udemy.com, 2016
- **Leadership Institute**, CU Boulder, Housing and Dining Services, Completed 2016

**Professional Affiliations/Memberships**

- **Scrum Alliance, Certified ScrumMaster**, Jul 2015 - Present

**Military Experience**

- **USAF – February 1986 to January 1992** - Honorable Discharge, Sergeant

**Karyn Online**

- <http://twitter.com/TechGirlGeek>
- <http://www.techgirlgeek.com>
- <http://www.linkedin.com/in/karyncassio>
- <http://drupal.org/u/techgirlgeek>