Cassondra Roberts

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Summary

A passionate and enthusiastic front-end web architect and developer with expertise in designing and coding enterprise-level pattern systems and associated tools.

I see my role as not only providing outstanding code quality but also unparalleled customer service to external clients and team members alike.

Advanced skills with web components, Sass, JavaScript, Twig, JSON Schema, and oddly enough, Bash scripting. Projects are posted on GitHub and demos on CodePen at codepen.io/castastrophee.

Visit castastrophe.com for my portfolio, passions, and technical interests.

Experience

🎩 Senior front-end architect, Digital Marketing Strategy & Design
Red Hat

Sep 2018 - Present (1 year 7 months +)
- Co-founder of a new approach to web components which emphasizes graceful degradation for older browsers and those with JavaScript turned off, a powerful theming system based on Custom properties, and the goal of creating a unified experience for all Red Hat web assets (https://github.com/patternfly/patternfly-elements)
- Technical lead for the redhat.com pattern library, which is used across multiple web assets within Red Hat
- Primarily responsible for code review and providing guidance, training, and feedback to pattern system contributors and front-end developers for redhat.com

🎩 Senior front-end developer, UX Development tech lead
Red Hat

Dec 2017 - Present (2 years 4 months +)
- Set coding standards for the pattern library which is used across multiple web teams at Red Hat; said library includes semantic markup, JavaScript interactions, JSON schemas for CMS consumption and JSON data for testing framework, and JavaScript (Mocha/Chai) for front-end visual regression testing
- Primarily responsible for code review, providing guidance, training, and feedback to contributors; code is maintained in git and managed on an internal instance of GitLab; organize cross-team training on topics such as writing Object Literal Notation for JavaScript, Improving Accessibility through Semantic Markup, and Writing Efficient Sass through our internal BEACSS theory (Block-Element-Attribute CSS)
- Expert-level Sass developer, writing complex mixins and using extends to optimize our CSS and make the system easy to use and update for our front-end team
- Building dynamic web components in collaboration with other front-end teams at Red Hat (https://github.com/RHElements)
- Collaborate with multiple web teams at Red Hat to provide a tool that meets the needs of our internal and external customers, with a focus on usability and accessibility

- Manage requirements, hours, testing, and deliverables via Rally, a project management tool, helping teammates with efficient timekeeping and working across our larger team to build templates and improve the efficiency of our reporting
- Agile team structure allows us to iterate on patterns quickly and provide continual improvements to our system
- Cross-browser testing, using site analytics to determine support levels
- Manage the build server including debugging any build issues, package and upgrade management
- Present our team's approaches, methodologies, and theories at technical conferences and bring back shared knowledge for implementation in our system
- Mentor fellow developers and students on technical and professional skillsets

Front-end developer, UX Development tech lead
Red Hat

May 2016 - Dec 2017 (1 year 8 months)
- Lead, advocate, architect, and developed for a new component-driven design system; advanced Twig templating, Grunt tasks and logic, WebdriverIO for visual regression testing, advanced Sass functions and mixins
- Manage the build server including debugging any build issues, package and upgrade management
- Owner of front-end JavaScript for the web team; set and documented coding standards and built large library of include-able snippets for modular UI development
- Advocate and early adopter of flexible templating system for Drupal (utilizes the paragraph module); tech lead writing schemas which drive the admin interface, twig templates, and styles for this system
- Consult for other divisions concerning front-end user experience and design, including providing CSS styling, helping create mobile-friendly applications, and improve customer engagement

User experience web developer/designer
Red Hat

Jan 2014 - May 2016 (2 years 5 months)
- Lead developer for Red Hat Summit's Drupal templates in PHP, outputs logic-based mark-up based on an API feed from Lanyon
- Design and build microsites advertising products and services - using thorough knowledge of HTML, Sass (and by-proxy, CSS), JavaScript
- Web lead for the web design and organization of the Training and About sections for redhat.com
- Building pages for major site redesign project in Drupal using Sass, HTML (with some HTML5 components) and advanced Javascript tools to create clean, efficient, modular design with sustainable code (development tools used: Compass, Jekyll, Gitlab)
- Expertly managed the ticket queue for redhat.com main page and microsites, resolving web issues for customers and communicating with colleagues to maintain tight SLAs with excellent customer service, received several service awards for this work
- Managed content using CVS, then transitioned the team to git; took the lead in creating documentation and workflows, provided hands-on training to the team; wrote a few bash wrapper scripts to standardize process and workflows
- Consult for other divisions concerning front-end user experience and design, including providing CSS styling, helping create mobile-friendly applications, and improve customer engagement
- Business Analyst for Red Hat's online product store (and previously, Customer Portal)

Associate Technical Consultant
SAS

Feb 2013 - Jan 2014 (1 year)
- Consult customers using SAS with a third-party database, SQL optimization expertise

• Demo SAS products to customers, explaining different methods of creating a cohesive framework for data collection and management
• Experience with the full range of SAS Software - including Visual Analytics, DataFlux, Data Integration Studio, and related business tools
• Database optimization via DBMS and SAS code
• In-Database, In-Memory, High Performance Analytics - Teradata, Hadoop
• Oracle Database Administrator consult for large-scale, long-term project
• Research emerging technologies, internally and externally, to develop Best Practice and training documentation

Jr Web Developer
FlipKey

Nov 2012 - Jan 2013 (3 months)
• CakePHP environment, PHP5
• Write and debug HTML5 and SCSS front-end
• Documenting processes by compiling information from key resources on the development team
• Grep log files to fix errors or insert additional logging
• Install and configure Linux-based test and development environment, including but not limited to: MySQL, Sphinx, Redis, Mercurial VCS, Coffeescript, Compass, Couchbase
• Light Python scripting to configure and populate memcache buckets in Couchbase and to deploy development to test and production environment

Associate Development Tester
SAS

Jan 2012 - Nov 2012 (11 months)
• Maintain physical & virtual Windows, Linux, HP images used in regression tests, includes maintaining software updates & installing testing tools
• Write, implement, & trouble-shoot regression tests, client & server-side
• Develop & monitor testing plans
• Perform, document deployment for embedded processing on the following databases: Aster, DB2 on AIX, DB2 on Linux, Greenplum, Netezza, Teradata, Hadoop, Oracle
• Manage MLE, macro, and international test suites for model processing in-database, about 300 tests, with bash script reporting results
• Design advanced web reporting tools using heavy PHP, CSS framework, Perl script backend that queries status & details across multiple server platforms based on information collected with an internal web crawler
• Upgrade & maintain a myriad of databases assigned to my testing group
• Programmed tests using SAS language, macros, & SQL

R&D Technical Student on In-Database Products
SAS

May 2010 - Jan 2012 (1 year 9 months)
• Develop automated reporting tools on the status of various database platforms
• Develop Linux scripting tools to increase efficiency of common/repetitive tasks
• Regular installs on test environments for testing teams, both client & server side
• Testing & documenting install process for Linux & PC hosts
• Programmed tests using SAS language, macros, & SQL
• Improve online reporting tools & documentation, introduced PHP reporting to the group
• Designed advanced training programs for international resources

Computer Science Tutor

Meredith College

Jan 2010 - Dec 2011 (2 years)

• Engaging young women in computer studies

• Intensive training course in tutoring techniques

• Facilitate critical problem solving and active learning

• Communicating complex concepts

Web Content Manager

Inside-Out Sports

Aug 2009 - Jul 2010 (1 year)

• Create and update product images and descriptions for the Online Store

• Research and implement new tools for online shopping, including JavaScript applets

• Unify appearance of products using advanced HTML formatting

• Manage one employee which involves training, reviewing, and personnel issues

Journals Production Editor

Oxford University Press

Sep 2007 - Jul 2009 (1 year 11 months)

• Contributed to cohesive team structure and was highly efficient on independent tasks

• Extensive knowledge of Windows OS, including advanced Word, Excel, Outlook, and PowerPoint projects

• Heavily involved in regression testing and improving Journal management software, taking a leadership role in both tasks and mining information from US and UK offices to make the program more efficient and effective

• Created and monitored schedules and turnaround times, ensuring tight deadlines are met

• Created and monitored budgets up to $605,500/journal, effectively cutting costs while working to improve the physical quality of publication

• Generated weekly, monthly, and year-end reporting on the overall status of each journal

• Liaised between editors, authors, and other departments within Oxford UP to provide excellent customer service and facilitate the smooth development of publication

Education

Meredith College

Bachelor of Science (BS), Computer Science

2008 - 2012

Graduated Cum Laude

Skills

JavaScript • Web Development • Web Design • User Experience Design • Front-end Development • Shell Scripting • Programming • Responsive Web Design • User Experience (UX) • CSS