

CASEY DRISCOLL

FULL-STACK OPEN-SOURCE SOFTWARE ENGINEER

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PROFILE

A creative and enthusiastic full-stack, open-source software engineer building products and services on technologies that include Ruby on Rails, JavaScript and PHP.

EDUCATION

University of Wisconsin-Eau Claire - 2012

Bachelor of Science: Computer Science - Software Engineering

+ Curriculum:

- Data Structures, Algorithms, Operating Systems and Software Architecture Patterns
- Languages: Java, C, C++, Perl, Scheme, Haskell and - *get this* - HyperTalk for OS 9.
- Additional Certification in Web Development: HTTP, JavaScript, ASP.net, Oracle

SELECT

SKILLSET

+ Critical Thinking:

- Architecture: MVC and Event Driven Patterns with exposure to Graph Theory
- Paradigms: Imperative and OOP with exposure to Functional Programming
- Function Composition: Code Coupling and Cohesion; Abstraction
- Brainstorming: Research, Problem Solving, Defining Problem Domains

+ Project Planning:

- Communication: Exceptional ability to explain/discuss difficult ideas and concepts
- Scoping: Requirements Gathering, User Stories, Writing Project Documentation
- Agile Philosophies: Organization and Prioritization; Scrum and Kanban
- Tools: Jira, Beanstalk and Basecamp

+ Back-End:

- Languages: Ruby and PHP with exposure to Cold Fusion, Python, R and Perl.
- Databases: MySQL, MSSQL, PostgreSQL with exposure to MongoDB and Neo4J.
- Frameworks: Rails, WordPress and Laravel with exposure to Drupal.
- Security: SQL Injection Prevention, Authentication

+ Front-End:

- Languages: HTML5, CSS3, SVG/XML/JSON, JavaScript (ES6), JSX and Sass
- Patterns: AJAX, Mobile First Design, Module, Event Bubbling and Flux/Redux
- Frameworks: jQuery, React.js and Backbone with exposure to MapBox and D3
- Security: XSS and CSRF Prevention

+ DevOps:

- Server Administration: Debian/Ubuntu, Web Config (Apache and nginx), DNS, SSL
- Continuous Integration: Capistrano, Vagrant/Docker, 12 Factor App, GitLab CI
- Tooling: Git/SVN, Node, Gulp/Grunt/Webpack, Bash, Vim, WP-CLI

+ UX & Design:

- Working experience with Adobe Creative Suite; expertise with Illustrator
- User Experience: Personas, Workflows, Wire-framing, Prototyping

SELECT

EXPERIENCE

Senior Back-End Web Developer: WebDevStudios

Remote - 2017

+ Project: [unlaunched]

- Assisted Project Lead in project architecture; developed new features
- Conducted team code reviews, guiding code style and refactoring archaic patterns

Web Developer: Agency CHIEF

Washington, DC – 2015–2016

- + **Project: Peterson International Institute of Economics** – <https://piie.com>
 - Lead and develop custom Drupal migration; legacy ColdFusion MSSQL to MySQL.
 - Research and solve critical Unicode conversion error with international characters.
- + **Project: National Parks Foundation** – <https://nationalparks.org>
 - Lead and develop custom Drupal migration.
 - Support and troubleshoot Apache configurations and deployments.
 - Write project documentation and proposals.

🏆 **AWARD:** Team awarded **Gold Addy Award for Responsive Design**
- + **Project: Lighting Global (World Bank)** – <https://lightingglobal.org>
 - Fully develop mobile first WordPress theme with custom functionality.
 - Work directly with client to write project documentation and additional proposals.
 - Pioneer agency use of Roots' Sage Theme for modern WordPress development.
- + **Project: [unlaunched]**
 - Pioneer and develop an innovative React.js UI for graph/tree data project.
 - Rapidly prototype custom JSON APIs based on MSSQL data exports
- + **Project: [unlaunched]**
 - Rapidly prototype Bootstrap theme for Salesforce web project on limited spec

🏆 **AWARD:** Awarded contract based on working live prototype

Full-Stack Web Developer: Scitent, Inc.

Charlottesville, VA – 2014–2015

- + **Project: 'PROPeL' – a full featured eLearning solution at www.strokeandturn.com.**
 - Integrated WooCommerce, LeanDash LMS and a private Ruby on Rails API key server

COMMUNITY BUILDING

- + **Volunteering:**
 - RubyConf volunteer 2016, RailsConf volunteer 2017
- + **Conferences:**
 - 🏆 **AWARD:** OpenCon 2016 Attendee (1% selection rate), for OpenAlpha.org essay
- + **Meetups:**
 - During 2014–2015, simultaneously co-organized 3 area meet ups:
 - [WordPressDC](#), [Charlottesville–WordPress](#), [Harrisonburg–WordPress](#)
 - Curated online [catalog](#) and [recorded several dozen videos](#)

SELECT PROJECTS

- + **Project: Groucho – Maintain personal Ubuntu 16.04 nginx reverse proxy Digital Ocean instance**
 - git.caseydris.co : Gitlab CE v9.0.5
 - jira.caseydris.co : Jira v7.3.1
 - canvas.caseydris.co : Canvas
 - ci.caseydris.co : Jenkins v2.46.1
 - neo.caseydris.co : Neo4J v3.1.1
 - r.caseydris.co : R Studio v1.0.136
- + **Project: Augmented Reality Tour – 2012** – <https://poi.caseydris.co> – (auth given on request)
 - A Ruby on Rails web app to store 'Points of Interest' data for university mobile tour
- + **Project: Prism – 2015** – <https://prism.caseydris.co>
 - Experimental React.js application framework for WordPress API
 - Write and example at [GitHub.com/caseydriscoll/prism](https://github.com/caseydriscoll/prism)
- + **Project: University Blugold Mascot – 2007–2011** – <https://caseydris.co/the-blugold-bird-mascot>
 - Championed 4 year innovative campaign to create new university mascot
 - Successfully designed and sewed costume from scratch; dress and exhibit at events

🏆 **AWARD:** Awarded 'The Blugold Spirit Award' scholarship by UW–EC in 2008