

# Sara McCutcheon

## Software Engineer

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Seeking opportunities to make a significant impact towards team and organizational goals. I employ my 11 years of software engineering experience, strong attention to detail, and an eye towards leveraging cooperation between teams and departments to yield the best possible resulting product. Looking to work on services that have an impact on how people work, learn, and/or manage information.

## Skills

- Languages: JavaScript, PHP, Python, Ruby
- Scripting: CSS, HTML, Bash, CoffeeScript, Pug/Jade, SQL
- Frameworks: React, Symfony, Backbone.js, CakePHP, Django, Rails
- Tools: Node, Jira, Confluence, Storybook, WordPress, Gatsby, Drupal, Highcharts
- Data/API: GraphQL, Apollo, Redux, MySQL, SQLite, REST APIs
- Microservices: AWS Lambda, Serverless
- Testing: Jest, PHPUnit, Behat
- Trained on and worked using Agile development practices for seven years.

## Experience

2015 - 2022

### **Pantheon, San Francisco, California** – *Software Engineer*

Pantheon is a SAAS platform for agencies and institutions to facilitate the development, hosting, and maintenance of sites running on open-source CMS platforms.

- Tech led a team of six engineers to develop and release Terminus, an open-source CLI for power users to consume Pantheon services via scripts using PHP, Bash, Symfony Console, PHPUnit, Behat, and a REST API.
- Developed and launched Autopilot, a service which runs automated site updates with visual regression tests to ensure automated updates to users' sites will not cause issues. My part mostly involved creating its React/GraphQL-based JavaScript interface but I also wrote some microservices to make snapshots using AWS Lambda, Serverless, PHPUnit, and PHP.
- Developed a new dashboard using JavaScript, Node, React, Jest, and GraphQL.
- Developed a design system for the new dashboard using JavaScript, Node, React, Jest, and Storybook.
- Developed and maintained an aging comprehensive user dashboard using JavaScript, Node, Backbone, CoffeeScript, Pug/Jade, Redux, and a REST API.
- Maintained a GraphQL mock server and its data for use by the team for development of the dashboard.
- Worked directly with end users to diagnose and resolve CLI issues and managed pull requests from the public.
- Wrote onboarding documentation and step-by-step technical guides for other engineers on the team in Confluence.
- Planned, prepared materials for, and conducted technical interviews with prospective teammates and those in related roles.

- Trained and mentored interns and junior engineers coming onto the team.

2011 - 2015

### **Radical Designs, Oakland, California** - *Senior Developer*

Radical Designs was an agency providing development and hosting of web sites and custom applications for NGOs and political campaigns.

- Designed and implemented a system for managing events, staff, trainees, performance reports, certifications, and internal functionality used by two California social work organizations using PHP, CakePHP, and SQL.
- Created a system which allows the client to set up their own meme generators and, optionally, to harvest the data of those using it using Python, Django, and SQL.
- Updated and implemented new features for the medical records tracking software used by a charity clinic in San Francisco SOMA using Python, Django, and SQL.
- Added a searchable, location-based voter guide to TheBallot.org, a voter information guide using Ruby, Rails, and SQL. The guide permitted users to research, opine on, and share ballots on social media.
- Wrote a library of command-line scripts to manage and update WordPress installations and their plugins as well as ETL scripts to port data between Joomla, Drupal, AMP, and WordPress using Bash, PHP, and SQL.
- Added features to and fixed bugs in Revent, a days-of-action event planner developed for and used by the AFL-CIO using Ruby, Rails, and SQL.
- Created and maintained WordPress themes and plugins using PHP.
- Maintained an aging in-house CMS written for PHP 4.x and updated it to operate using PHP 5.3.
- Worked directly with users to diagnose and fix issues.
- Was responsible for all aspects of creating and maintaining Debian- and Ubuntu-based Apache HTTP servers for our users running both on VPS and our own servers located at a data center.

JUNE - OCTOBER 2010

### **OPSWAT, San Francisco, California** - *Support Analyst Intern*

OPSWAT creates SDKs to be used for the creation of VPNs.

- Created and compared system snapshots to determine differences in system settings to be used for the development of the SDK.
- Wrote scripts to aid in the detection of telltale differences between snapshots using Lua.
- Reproduced bugs to verify client reports.
- Created illustrated client documentation.

## **Education**

2009 - 2012

### **San Francisco State University, San Francisco, California** - *Computer Science & Mathematics*

2006 - 2009

### **City College of San Francisco, San Francisco, California** - *Computer Science*

## Projects

### Terminus

<https://github.com/pantheon-systems/terminus>

Terminus is Pantheon's Command Line Interface, providing at least equivalent functionality to the Pantheon's browser-based Dashboard and easier scripting.

**PHP, Bash, Symfony, Behat, PHPUnit, REST API**

### Compare50

<http://compare50.org>

Compare50.org allows users to display trends on how one state's economy has performed over time, compared to other states, and to the United States as a whole. The interactive tool contains data on over 150 social and economic indicators, such as cost of living, unemployment rates, state taxes, education, renewable energy usage, crime, and venture capital investment.

**PHP, Highcharts, SQL, Apache, PHPUnit**