

# Andrew Cox

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## Objective

A challenging and engaging development leadership role where I can grow along with the organization.

## Experience

### Staff Engineer

April 2022 – Present

Interpersonal Frequency | Remote

- o Technical lead on web projects serving both local and state government clients. Develop monolithic Drupal and decoupled Drupal-based websites using Next.js, TypeScript, and Tailwind.
- o Develop custom modules specifically for content and media asset migrations. Recently presented a custom content migration crawler module I developed at Drupal Govcon 2023.
- o Created a module using the OpenAI PHP library that helps content editors improve website copy in rich text fields. Content administrators can manage AI prompts directly from the Drupal admin interface to improve functionality without a developer.
- o Integrate single sign on (SSO) for clients to access Drupal and Next.js sites using their network credentials, as well as customized search experiences using Solr and Elasticsearch (Swifttype).

### Web Development Manager

March 2017 – April 2022

ICF | Remote

- o Led development of web projects serving federal clients using Drupal. Directly managed 12 developers.
- o Take on existing web projects internally and from other vendors; led code reviews, 508 accessibility tests, and Drupal migrations. Completed FedRAMP documentation and OWASP ZAP security scans.
- o Migrated websites to AWS and Acquia Cloud hosting experience for federal web projects. Setup continuous integration using Travis CI or Acquia Pipelines for Acquia projects, AWS CodePipeline for AWS projects.
- o Presented a custom content manager workflow at Drupal Govcon 2019, showcasing a custom module developed for the HHS Office of Population Affairs that worked with the Workbench Moderation module.

### Senior Web Developer

May 2014 – March 2017

Pavone Marketing Group | Harrisburg, PA

- o Developed websites using Drupal, WordPress, and .NET for a diverse portfolio of local clients (including PA state government) and national brands (including Hershey and Starkist). Led the redesign and Drupal migration of [www.papowerswitch.com](http://www.papowerswitch.com) that won awards and garnered positive local media coverage.
- o Developed a Facebook app powered by Drupal that at one point ran three national promotions simultaneously (with no downtime) for Starkist (> 28,000 entries), Lucky Leaf, and Turkey Hill Dairy.
- o Moved agency away from hosting on a self-managed webserver to a Pantheon agency account for all WordPress and Drupal websites, introducing code versioning and continuous integration for websites.

- o Gained experience with UI/UX and developing sitemaps for website redesigns using actual website usage data paired with client website goals for different audiences.

### **Lead Web Developer**

April 2012 – May 2014

Pennsylvania State University | University Park, PA

- o Led in-house development of several Drupal and WordPress websites for Penn State Outreach Marketing, the primary website [worldcampus.psu.edu](http://worldcampus.psu.edu) had around 500,000 monthly visitors.
- o Implemented better user event and form submission tracking; implemented multivariate testing.
- o Technical lead both for the Drupal 7 migration and later responsive redesign of Penn State World Campus.
- o Maintained a multisite WordPress instance hosting over 50 conference and special program websites.

### **Senior Web Designer**

July 2010 – April 2012

Brodart Company | McElhattan, PA

- o Developed a B2B e-commerce website for a company serving library systems written in C# .NET.
- o Managed all online marketing campaigns: paid search marketing, organic search optimization, affiliate marketing, e-mail, and social media.
- o Improved website usability based on multivariate testing. Implemented autocomplete on-site search, and automated a nightly product feed to send current product data to shopping search services.
- o Developed a successful Facebook contest app that generated thousands of new sales leads. Increased email marketing automation targeting shopping cart abandonment and inactive customers.

### **Online Director**

December 2008 – July 2010

Centre Daily Times (McClatchy Company) | State College, PA

- o In charge of all web strategy and development for a smaller circulation newspaper's website. The website was developed on a proprietary CMS using Perl and PHP.
- o Worked with advertising and editorial to redesign the website emphasizing streamlined navigation and improved usability. Worked with the newsroom to improve SEO, increasing search referrals 30+% year over year. Introduced the newspaper to Facebook and Twitter.
- o Wrote a script to capture updates of feeds from multiple classified ad vendors on Centredaily.com, functionality ultimately emulated at other larger McClatchy newspapers.

### **Web Developer**

September 2003 – December 2008

NIS Group | State College, PA

- o Developed custom websites for local businesses. Designed a local business review and news aggregation website written in Drupal that led to getting hired by the local newspaper.

### **Education**

**The Pennsylvania State University**

**August 2001 – May 2005**

B.S., Information Sciences and Technology