

■ experience

Senior Web Developer 2014 - present Johns Hopkins University

Web Developer 2012 - 2014

- Drove web technology and development strategy and implementation for University Communications by architecting, developing, testing, and supporting systems, websites, APIs, and apps.
- Created the university's news and events API (api.hub.jhu.edu) using headless Drupal and Slim framework. Planned, developed, and executed the migration of the API frontend, CMS backend, and 60K content nodes from Drupal 7 to 9 with zero frontend downtime.
- Developed the university's flagship website (jhu.edu) and news and events website (hub.jhu.edu) using WordPress, React, and Backbone.js.
- Designed and implemented a robust caching and cloud storage strategy that offloaded 92% of traffic to a distributed content delivery network (CDN), resulting in improved performance and stability.
- Developed a distributed job queue system, utilizing Redis, to manage asynchronous background tasks including file uploads to cloud storage, data ETL operations, and purging targeted caches.
- Created a database designed to bridge the gap between the news and events API and Google Analytics, facilitating a blend between the two datasources that allows for analytics data to be evaluated against API data, such as article category or marketing campaign.
- Implemented development and deployment technologies (Vagrant, Ansible, Gulp, AWS EC2, Capistrano) to streamline development, and establish accurate test environments and reliable deployment.

Web Developer 2010 - 2012 University of Maryland, Baltimore

- Developed and maintained websites using WordPress and Drupal.
- Created various web applications such as a conference registration system and customizable donation forms that integrated with a third-party payment service provider.

Web Designer 2009 - 2010

Jr. Web Designer 2007 - 2009

The Baltimore Sun

- Designed, developed, and maintained websites using WordPress and Drupal, including the first iteration of the Baltimore Sun Store.

■ skills

- **Code:** PHP, SQL, HTML, JavaScript, Node.js, SCSS, CSS
- **CMS & frameworks:** Slim Framework, WordPress, Drupal, React, Redux
- **DevOps:** Ansible, AWS EC2 and S3, Capistrano, CDN integration, Docker, Git, Linux server administration, Puppet, Sentry, Vagrant
- **Tools:** Babel, Composer, Elasticsearch, Gearman, Google Analytics and Looker Studio, Gulp, Hugo, JavaScript Testing Library, Jest, Memcached, NPM, PHPUnit, Redis, Supervisor, Twig, Webpack, Vite

■ education

- **B.S. Corporate Communication**
University of Baltimore
- **A.A.S. Interactive Design**
Community College of Baltimore County

■ awards

- **Platinum CASE, 2021**
Best Practices in Communications and Marketing, A Very Hopkins Crossword
- **Silver CASE, 2020**
Multimedia Campaigns, A Very Hopkins Crossword
- **Gold CASE, 2016**
Institutional website, jhu.edu
- **People's Choice Webby, 2016**
University website, jhu.edu
- **Grand Gold CASE, 2013**
Innovative use of technology, The Hub and Hub API