Ray Burgess

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https://rayburgess.info
https://www.drupal.org/u/earlyburg

PROFESSIONAL SUMMARY

Web Application Development Skilled in designing and building complex web sites, working with big data sets, and high traffic / high volume web sites. Design and build APIs, caching systems and CDNs, micro-applications and automated data processing between systems. Adept at designing secure, monitored web systems.

Web Application Security Remediation Expert at secure application code. Can identify and correct code and environment based security risks. Proficient at the use of multiple software security analysis tools and techniques.

Systems Development Adept at the provisioning and management of public facing physical or virtual server systems. Skilled at integrating multiple interconnected servers. Expert at building and managing system services and technology stacks.

Front End Development Perfectionist with responsive design. Understand and develop using mobile-first strategy. Excellent with WordPress and Drupal theme creation. Excellent with scripting and markup languages and best practices. Proficiency with ADA compliance concepts and requirements. Skilled with image manipulation and graphical layout conversion.

Frameworks / CMS Drupal 7 > 10 contributor. Backdrop CMS contributor. Developed dozens of modules for Drupal 7 > 10. Developed several plugins for WordPress. Created custom themes for WordPress and Drupal. Proficient with Laravel and MVC based frameworks.

Cloud Services and Applications Skilled AWS web hosting administration, with expertise in distributed computing, scalability, security and monitoring. Comfortable with billing and tiered access strategies on a system wide basis. Skill with virtual machines and networking.

Training / Supervision Skilled at teaching through a deep understanding of technology and philosophy. Able to motivate and coordinate a small team. Effective tech teacher using projects as the classroom. Excellent educator of office and network security practices and software development best practices.

United States Navy (4/1985 - 5/1989)
Rank: E3 Rate: Damage Control Technician. Firefighting Training. Basic Electricity and Electronics School

PROFESSIONAL HISTORY

DMI / USDA
Lead Drupal Application Developer – 02/23 – Present
- Responsible for USDA-MARS Drupal 10 upgrade.
- Upgraded 18 custom modules.
- Performed server security upgrades.
- Completed application security remediation.
- Performed forensic web traffic analysis for USDA web properties.
- Trained UDSA staff in web application security.
- Participate in mentoring and training junior developers.
- Developed CI pipeline and trained staff in Gitflow.

District of Columbia Public Library
Lead Web Application Developer – 11/21 – 10/22
- Lead web application developer for the Libraries
- Worked with and supervised contractor to build new Drupal 9 site.
- Developed custom Drupal 9 modules on Drupal.org
- Led agency transformation to AGILE development methods.
- Authored agency application security policy.

- Authored agency data retention policy.

[Able Engine, LLC](#)
Drupal Application Developer – 02/21 - 10/21
- Worked on multiple Drupal 8 projects.
- Authored Search API based data filtering application.
- Worked on legacy Drupal sites in Drupal 7.
- Helped migrate customer legacy e-commerce site to Drupal 8
- Administrator for Pantheon based hosting environments.

[Backdrop CMS](#)
Web Application Developer - 07/20 – 01/22
- Member of international open-source development team.
- Responsible for the migration and updating of Drupal 7 modules to Backdrop.
- Current maintainer of Search API Suite of modules
- Authored custom modules for Backdrop.
- Participate in team testing and debugging
- Contribute security and usability testing and feedback.

[Real-Info Inc.](#)
Web Application Developer / Systems Developer Consultant - 04/19 - 07/20
- Upgraded 4 legacy websites from PHP 5.6 to PHP 7.2
- Wrote fixes for XMLRPC backend processes in Perl
- Wrote application code to improve security and fixes for a company API
- Authored a companies Information and Network Security Policy
- Created content filtering network security appliance for a client.
- Helped local business client with a full web marketing package based on WordPress
- Manage private web sites.

[ProTech Consulting](#) / Installs, LLC. (Contract)
Web Application Developer / Application Security Remediation - 10/18 – 01/19
- Authored a distributed systems database update script in PERL
- Added new functionality to Laravel management application.
- Performed Cross Site Scripting and MySQL Injection exploit remediation in PHP.
- Created version control system with GIT and Git Hub for application development.

[The Buffalo News](#), Berkshire Hathaway
Web Application Developer / Web Services Technician - 02/18 – 10/18
- Developed a custom plugin for The Buffalo News' main WordPress site to allow the automatic import and formatting of news content from outside server systems.
- Oversee security and software updates for enterprise level web and content server network on AWS.
- Create Javascript based auto updating weather application using Slim API and WordPress
- Diagnose and fix website, webserver and network issues via help desk. Worked closely with editorial staff to identify and fix issues with the many Buffalo News web properties.
- Train Buffalo News software development contractors.
- Helped transition Buffalo News web server distributed systems to SSL.
- Performed weekly development code push and code testing using GIT to manage code roll-outs and hot-fixes.

[Buffalo University](#), Buffalo, NY – School of Medicine - (Contract)
Web Application Developer / Web Services Technician, Drupal Developer - 01/17 – 01/18
- Responsible for designing and deploying Windows based web server live and development environments running WAIMP (apache and iis on windows with PHP and MySQL)
- Oversight for the development of multiple web projects for the School of Behavioral Medicine
- Designed and developed a SOLR (Elasticsearch) and Drupal based information storage and retrieval system for large

volumes of medical research data, with import and export functionality and complex output filtering.
- Trained other developers in Apache and Drupal, and training management personnel in information security, PHP application development best practices and web server security.
- Application developer, with the responsibility for all day to day aspects of our enterprise level server environment

TECHNICAL EXPERTISE

Linux, IIS 6.x & 7.x, NGINX, Varnish, Memcached, Tomcat, API, JSON, XML, Responsive Design, Bootstrap, Windows Server 2008 & 2012R2, CSS, HTML5, PHP, SOLR, MySQL, Photoshop, GIMP, PERL, Javascript, CentOS, Ubuntu, Apache2, Apache, SMB, TCP-IP, Wireless networking, Perl, Shell Scripting, React, NodeJS, NPM, Drupal, SlimPHP, WordPress, SSL, SEO, Training, SirsiDynix systems, Communico API.