

Ray Burgess

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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 & 8 contributor. Backdrop contributor. Developed dozens of modules for Drupal 7 and 8. Developed several plugins for WordPress. Created custom themes for WordPress and Drupal 7. Created themes for Magento CE and Joomla. 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

Backdrop CMS <https://backdropcms.org/>

Web Application Developer

07/2020 - Present

- 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.

Private Company - NDA in place.

Web Application Developer / Systems Developer Consultant

04/2019 - 07/2020

- 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 10/2018 – 01/2019

- 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 02/2018 – 10/2018

- 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 01/2017 – 01/2018

- Responsible for designing and deploying Windows based web server live and development environments running WAMP (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

QBC Systems Inc. / Cleve Hill Tires, Inc. – (Contract)

Drupal Application Developer / Web Services Technician 05/2016 – 12/2016

- Contracted as the lead developer to do a complete overhaul of an existing Drupal front-end wholesale customer interface to a complex back-end inventory system servicing more than a dozen satellite locations in Western NY and PA.
- Constructed 8 custom modules for Drupal to handle everything from inventory maintenance to customer record handling
- Configured DNS and web hosting for the clients expanded infrastructure
- Solved web server issues with dropped orders
- Trained employees in Drupal Commerce
- Worked closely with QBC, Inc. employees to develop smarter data-handling systems
- Designed the complete front-end e-commerce interface including customer management interface in a mobile-first framework compatible with all devices

Penn State University, University Park, PA – (Contract)

Drupal Developer / Web Services Technician 04/2015 – 04/2016

- Development of web applications in Drupal 7 for various purposes including the management and collection of student internship applications and experiences, the migration of ASP and .NET applications and content into Drupal
- Created a new responsive theme for the Colleges entire web presence
- Brought new front-end functionality to the website using contributed modules to create new ways to embed and access content
- Responsible for creating graphics for the web site, and creating various widgets and containers to highlight content.

- Developed a Drupal application to manage and create student internship records
- Improved HHD.PSU.EDU web server functionality through optimizing the web server platform
- Tasked to make Drupal run on Windows server correctly
- Managed a farm of three Windows servers running IIS
- Used JIRA for project documentation.

Paradox Labs Inc., Lancaster PA (Month to Month)

Drupal Developer / Magento Developer / Web Services Technician 09/2014 - 3/2015

- Worked the customer support system to solve customer website problems
- Developed a complex Drupal 7 installation to showcase industrial products among other Drupal 7 development projects
- Webserver administration duties include installing Memcached for Drupal and Magento on RHEL and Centos and performing PHP major version upgrades on enterprise server systems
- Performed emergency server disaster mitigation on live web hosts
- Worked on 6 WordPress installations including a WordPress to Drupal API content sharing system
- Set up and administered Apache and Nginx web servers for Magento and Drupal
- Wrote extensive PHP code for Drupal

TEKsystems/TriComB2B, Dayton, OH - (Contract)

Drupal Developer / Web Services Technician 07/2013 - 02/2014

- Setup and provisioning of a physical LAMP stack for 4 industrial and commercial web sites for a large corporation, integrating MySQL, PHP, Solr and Drupal
- Setup integration and provisioning of the Apache SOLR server and the Tomcat6 application server
- Worked extensively with Drupal 7 theming with the Omega theme
- Worked on responsive design structure and testing on Android and MacOS
- Developed a custom module to integrate Drupal nodes with database insertion and migration techniques in a Windows server environment
- Authored extensive documentation on the server install including a nineteen page instruction manual for search engine tuning and content deployment for SOLR, which was later published
- Trained IT staff on Ubuntu 12.04 web hosting and SOLR management

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.