

JASON MCEACHEN

Olney, MD 20832

www.linkedin.com/in/jasonmceachen

[302.235.9583](tel:302.235.9583)

jasonmce@brightshinyobject.com

SENIOR DEVELOPER

Improving Product Quality & Team Collaboration

Partner with customers and cross-functional teams to deliver exceptional solutions, foster collaboration, and drive product excellence. Leverage extensive expertise in online solutions, to lead and mentor high-performing web development teams. Constantly obtaining knowledge of the latest and upcoming technologies, to solve critical problems, and create positive user experiences.

SECURITY CLEARANCE: DoD SECRET (Interim)

TECHNICAL SKILLS

- Drupal 7-10 Development
- Full Stack Architecture
- Cloud Platforms
- CI / CD
- Testing
- Search Technologies
- Local Development Environments
- Custom Themes & Modules
- Docker, Kubernetes, L*MP
- AWS, Azure, GKE, Rancher
- Git, Jenkins, Concourse, Ahoy, Ansible, Custom Scripts
- Behat, PHPUnit, Visual Regression, Postman
- AI & RAG, Elasticsearch, Solr
- DDev, Lando, Custom Docker, k8s Stacks

WORK EXPERIENCE

Q2Impact, Arlington, VA

1/2025-4/2025

Senior Advisor, Digital Development and Advanced Analytics

Contributed to an "Art of the Possible" AI Retrieval-Augmented Generation (RAG) project, guiding both the team and the customer in selecting the optimal technologies and architectures for performance, security, and maintainability.

- Convert user requests into workable requirements, cross-platform test steps, and automated tests.
- Analyzed security and technical requirements to design a comprehensive web-based solution.
- Developed a proof-of-concept React website with a Drupal backend.
- Translated AI vendor documentation and customer needs into a detailed functional specification.
- Integrated AI capabilities into the website using custom Web Components and Drupal API modules.
- Provided technical guidance and clarifications for supporting documentation and deliverables.

MindPetal, INC, Vienna, VA

8/2024 - 12/2024

Senior Drupal Developer

Maintained and improved the Dept of Labor's eFile/eServe web based tools and Appian integration.

- Convert user requests into workable requirements, cross-platform test steps, and automated tests.
- Collaborated with Appian team to identify best ways to improve both systems and integrations.
- Updated existing code to meet changing needs.
- Wrote custom modules providing new tools and functionality.
- Worked with customers to confirm solution UI usability and accessibility.
- Implemented an automated testing framework using PHPUnit and custom helper classes.
- Orchestrate code change deployments with my manager, customers, and the devops team to test, validate, and deploy our updates.

BRIGHTSHINYOBJECT, INC, Olney, MD

2001 – Present

Senior Drupal Developer & Architect

Developed hosting plans and migrate sites up to Drupal 10 for online schools and businesses.

- Led architecture, design, and development efforts migrating Drupal 7 sites to Drupal 10. Customers varied from large online schools, businesses, small offices, professional blog, and church sites.
- Oversaw custom theming to improve visitor and editorial UX, SEO, responsiveness, and accessibility, reducing homepage load time by 80%.
- Provided Module development for custom blocks, theming, editorial widgets, and search facet customization.
- Orchestrated performance and reliability improvements through evolving automated testing, including PHPUnit, Behat, pa11y.
- Managed collaboration, design, and development of PSOM at the University of Pennsylvania's Space Planning & Operations site and tools for 9 years.
- Provided leadership with customers on the creation, infrastructure, and continual growth of KWPOne seminar registration website and management tools for 8 years.

HOWARD HUGHES MEDICAL INSTITUTE, Chevy Chase, MD

2014 – 2023

Senior Web Developer & Architect

Led 6-person team accountable for public-facing Drupal websites to ensure user- friendly navigation, editor-friendliness, code quality, performance, and maintainability.

- Served as technical lead on automated testing initiatives for visual regression, unit, and functional tests.
- Promoted Drupal development best practices for HHMI.org, Janelia.org, and custom scientist sites.
- Designed web components and Drupal CKEditor widgets for an intuitive WYSIWYG experience.
- Accountable for code quality across products, providing reviews, suggestions, and mentoring to ensure a reliable and maintainable code base.
- Partnered on architecture, implementation, CI/CD, and management of Drupal 9/10 sites to Azure Cloud hosting.
- Delivered architecture changes and custom code development that met customer's unstated needs with focus on future enhancements.

EUREKAREPORT / BUSINESSSPECTATOR, Melbourne, VIC, Aus

2012 – 2014

Senior Drupal Developer

Maintained and improved zero-downtime Drupal 7 news sites. Lead developer of Salesforce operations and integration project.

- Consolidated 4 websites into a single Drupal 7 platform and took over Salesforce operations and integration.
- Directed remote Salesforce Developer team, leading integration, and customization projects.
- Optimized subscription workflows with custom commerce and Salesforce modules, improving customer retention and providing sales team with valuable customer insights, that resulted in a simpler and more pleasant customer interaction.
- Enhanced website to provide marketing with better tools, customer interaction, and simplified subscriptions.
- Streamlined editorial interfaces, content creation, and improved holistic form validation.

ALASKADISPATCH, Anchorage, AK

2010 – 2012

Drupal Full Stack Developer and Admin

Developed Drupal6 / OpenPublish website that Editor and Designer needed in a short period of time.

- Spearheaded development of new Drupal 6/OpenPublish site, and migration of existing Joomla site content seamlessly with zero downtime.
- Increased usability for all staff, including SEO integrations that quickly doubled traffic.
- Evolved platform to take advantage of growing opportunities, including RSS importing and aggregation, feeds into google and yahoo, and enhanced ways to present content which drastically improved visitor stickiness.
- Created "Kill The Spill," a custom Flash game for site to promote BP Gulf oil spill coverage.
- Maintained remote Linux / Apache / MySQL servers through multiple site migrations.
- Migrated to Acquia cloud when traffic outgrew hosting provider to boost the visitor experience.

CISCO SYSTEMS - SANITY TESTING, Research Triangle Park, NC

2006 – 2009

Web Tool Developer

Created a set of web-based tools to monitor and maintain a testing environment to smoke check network hardware images.

- Drove LAMP and Ajax coding with custom third-party integrations.
- Performed SunOS server upkeep and custom test script support.
- Served as Unix system admin and ownership of whole testing engine and supporting technologies.
- Built and configured multiple device test harnesses and result gathering interfaces.

EDUCATION

- Completed Coursework, Computer Sci / Elect Eng, University of Delaware, Newark, DE
- Computer Engineering, Graceland College, Lamoni, IA

PROFESSIONAL DEVELOPMENT

Drupal Certified Developer, 2015

Professional industry trainings: Troubleshooting Techniques, Docker application image design, TDD, DDD, Website Accessibility, USWDS, UX