

JOSEPH CHEEK

1680 N 2100 W, Provo UT 84604, USA • +1 (801) 918-5525 • joseph@zds.group
Latest résumé always online at <https://zds.group/resume>

SENIOR DRUPAL / LAMP (LINUX, APACHE, MYSQL, PHP) ARCHITECT

Drupal expert with eighteen years of Drupal, twenty-five years of PHP, and twenty-seven years of Linux experience. Designed and/or built high-profile Drupal sites such as Trade.gov, Box.com, Weather.com, Ed.gov, PGA.com, and GuessWatches.com. Drupal Architect on WorcesterMA.gov, Weather.com, Ed.gov, and for Turner Broadcasting. Federal Government experience. Drupal.org code contributor.

Web Architecture • Web Development • User Interface Design • Software Workflow Design
Product Engineering • Product Management • Professional Services Management
CI/CD Pipelines • Containerization • Subject Matter Expert

Drupal • Symfony • Apache • Nginx • PHP • HTML5 • CSS • SASS • LESS • Bootstrap • USWDS
JavaScript • jQuery • JSON • REST • SOLR • Acquia • Pantheon • MySQL • MariaDB
Lando • Docker • DrupalStand • Docksal • DDEV • Vagrant • Kubernetes • i18n • Drupal Multisite
Responsive Design • Mobile-first Design • Native iOS (Objective C, Swift) and Android (Java) • Twig
SAML • SSO • Linux • Akamai • Azure • Amazon Web Services (AWS) • Brightcove • Cloudflare

REFERENCE PROJECTS

Finra.org – Upgraded Drupal 7 sites to Drupal 10 and AngularJS front, NodeJS Lambda back end
Sysco.com – Finished, and optimized Savings Optimizer app (ReactJS / Drupal 10 hybrid app)
CancerCenters.Cancer.gov – full-stack Drupal 10 developer updating National Cancer Institute site
DoDEA.edu – Drupal back-end developer, integrated SSO via SAML against Azure AD
WorcesterMA.gov – Drupal architect, designing migration solution for the city of Worcester, MA
Trade.gov – Lead Drupal developer, assisted with Drupal 8 to 9 migration, led team of 4 devs
MDVIPConnect – full-stack D8 developer for customer portal using Salesforce, React, GraphQL
Box.com – backend Drupal developer, assisted with Drupal 8 to 9 migration, NUXT.js front end
Netscout.com – full-stack developer and web traffic analyst for security-focused Drupal 8 site
Arizona Quickstart – assisted with the migration of existing Drupal 7 distribution to Drupal 9
ETOnline.com and **InsideEdition.com** – full-stack developer for flagship CBS Drupal 8 sites
Ziquid.com and **zds.group** – full-stack developer for multisite Drupal 8 installation
Everbrite Customer Portal – full-stack developer for new Drupal 8 Extranet
SAMHSA.gov – full-stack developer, Drupal 7 SOLR architect for US Federal Government sites
Hiscox.com – developer, site engineer for new Drupal 8 site for small business insurer
DRACO – backend developer, architect for new Drupal 8 common core for all Turner sites
CPCU CE – new D7 site for Insurance Education, using Bootstrap and a responsive design
Shake Shack “Card Not Present” App – headless Drupal 7 app for Android POS system
TravelandLeisure.com – migrated site from proprietary Ruby-based CMS to Drupal 7
Weather.com – architect for new Drupal 7 site for The Weather Channel
Chick-Fil-A ExChange – migrated internal Drupal 6 site to D7, added multimedia features
PGA.com – integrated PlayGolfAmerica.com site, added Facebook and Twitter to Drupal 6
Connect|SYKES – back- and front-end Drupal 6 developer for corporate intranet sites
GuessWatches.com – helped create the Fall 2012 Guess Watches Drupal 7 redesign
USDA Foreign Agricultural Service – Subject Matter Expert for Drupal migration
CGAP.org – back-end developer for redesign and migration of World Bank site to Drupal 7
Ed.gov – architect for new Drupal 6 site for U. S. Department of Education
CNNGo.com – built Drupal 6 site from scratch for new CNN/Turner project
Timesys.com – migrated Plone, static HTML, and PSE web site to Drupal 4.7/5

PROFESSIONAL EXPERIENCE

FINRA, Washington, DC, May 2024 – Present **Financial Regulatory Agency**

Drupal 10, AngularJS Full-Stack Developer

Full-Stack Drupal 10 and AngularJS developer tasked with helping maintain FINRA's network of Drupal and AngularJS web sites such as finra.org and catnmsplan.com. Migrated three sites from Drupal 7 to Drupal 10, providing cost savings and enhancing web site security. Migrated two Drupal 7 web apps to AngularJS web apps with a NodeJS back end running on Amazon Web Services (AWS) Lambda. Advised on site content updates, Drupal and PHP bug and security fixes. Created code patches and submitted them to upstream maintainers on Drupal.org for inclusion in future packages. Updated custom front-end themes from Bootstrap 4 and NodeJS 10 to Bootstrap 5 and NodeJS 18. Migrated custom PHPUnit tests from Drupal 9 / PHP 8.1 to Drupal 10 / PHP 8.3.

- Updated 336 contributed and 26 custom modules from Drupal 7 to Drupal 10 and AngularJS. Migrated 58 automated PHPUnit tests from Drupal 9/PHP 8.1 API to Drupal 10/PHP 8.3.
- Tools used: DDEV, Docker, Drush, PHPUnit, Acquia, AWS, Jira, Confluence, BitBucket, Drupal 7, Drupal 10, Composer, SASS, Jenkins, NodeJS, PostMan, Selenium, Chrome Headless

SYSCO (NYSE: SYY), Houston, TX, Mar – May 2024 **Food Service Provider**

Drupal 10, ReactJS Full-Stack Developer and SME

Full-Stack Drupal 10 and ReactJS developer tasked with helping optimize SYSCO's Savings Optimizer web-based app. Optimized Drupal 10 back end, MySQL SQL queries, and ReactJS front end, bringing initial screen load time from over 10 minutes (!) to under 3 seconds. Updated API definitions and business logic in Drupal to support new requirements, ReactJS front end and JSONAPI calls to match. Worked to optimize Drupal/Javascript implementation of PowerBI dashboards to attain same level of performance improvements as ReactJS front end.

- Altered Drupal caching configuration to provide cached delivery of dynamic web assets based on clients' account permissions.
- Wrote access script and documentation enabling two dozen team members in India to have access to AWS database assets from their Docker-based local development environments.
- Tools used: Lando, Docker, Azure, AWS, Microsoft Azure DevTools, Confluence, GitHub, GitHub Actions, Drupal 10, Composer, Drush, MySQL Workbench

Spatial Front, Inc., Bethesda, MD, Dec 2023 – Jan 2024 **Technology Consultancy**

Drupal 10 Full-Stack Developer and SME

Full-Stack Drupal 10 Developer and Subject Matter Expert for US Department of Agriculture (USDA) Research Mission Area, advising on feasibility of moving 45 disparate web-based applications to the Azure cloud using a Drupal 10 platform. Advised on feasibility, including cloud readiness and Section 508/WCAG accessibility compliance. Created Proof-of-Concept Drupal instance for USDA web apps in the Azure cloud as Azure App Instances, using DDEV and Docker with GitHub Actions as the worker in a CI/CD pipeline.

- Assisted with the advising on cloud-readiness for 45 different USDA research applications.
- Created Dockerfile and docker-compose.yml files to containerize Drupal for deployment on Azure infrastructure as Azure App Instances, using GitHub Actions.
- Tools used: DDEV, Docker, Azure, GitHub, Drupal 10, Composer, SASS, Compass, NodeJS

ICF (Nasdaq: ICFI), Reston, VA, Mar 2023 – Nov 2023
Technology Consultancy

Drupal 10 Full-Stack Developer

Full-Stack Drupal 10 Developer for US National Institutes of Health (NIH) Office of Cancer Centers (OCC), developing the front- and back-end solution for the upgrade of OCC's web site cancercenters.cancer.gov. Designed and implemented the data model for showcasing National Cancer Institute's (NCI) 73 approved cancer centers across the United States, with their research programs, shared resources, and key personnel. Provided support for data entry and data migration, UI and UX solutions to make the site responsive for mobile, tablet, and desktop viewing. Created Drupal themes based on bootstrap and USWDS standards.

- Created and implemented data models for cancer centers, staff, and data models, as well as full-page and cancer-center search pages.
- Created themes based on Bootstrap and USWDS standards using 3,000 lines of custom Twig templates, nine custom Drupal hooks, twelve custom content types, four custom taxonomies, three custom non-node entities, three custom view modes, and one custom view.
- Tools used: Composer, GitHub, Travis CI, Drupal 10, Docker, Lando, Twig, NodeJS, Dart SASS

Promet Source, Chicago, IL, June 2022 – Apr 2023
Drupal and WordPress Custom Web Site Builder

Drupal 9 Architect and Back-End Developer

Hybrid Drupal Architect (WorcesterMA.gov) and Back-end Developer (DoDEA.edu). Designed solution for migrating the city web site for the city of Worcester, MA, serving almost 1 million people citizens, from WebGUI to Drupal. Designed and implemented solution for single-sign on for more than 160 schools and 8 school districts for the U.S. Department of Defense Education Activity, which employs 11,000 and provides schooling more than 66,000 children of military and civilian parents across the globe.

- Created migration plan for data from 223 internal and 33 external database tables.
- Designed SSO solutions for four different platforms (school sites, dashboard, management portal, and DAM) to enable login from the same centrally-managed Azure Active Directory
- Tools used: PHPStorm, Composer, Git, GitHub, GitLab, Microsoft Azure, Drupal 9, Docker, Docksal, Lando, Acquia, Acquia Pipelines, Acquia BLT, Pantheon, Pantheon Terminus, Drush

MIL Corporation, Bowie, MD, October 2021 – May 2022
Federal Government Contractor

Lead Drupal Developer

Lead Developer responsible for enhancing and maintaining International Trade Administration's flagship web site, Trade.gov. Enhanced and updated web site in accordance with Federal guidelines. Led recertification effort, security issue resolution, maintenance and enhancement requests. Integrated GovDelivery email delivery subscription signup form.

- Led team of four Drupal front-end and back-end developers, DevOps.
- Groomed 120+ tickets, including User Stories, Bugs, Tasks.
- Tools used: PHPStorm, Composer, Git, GitHub, Microsoft Teams, Drupal 9, DrupalStand, Docker, Kubernetes, Azure Cloud Hosting, Azure DevOps

Netscout Systems, Inc (Nasdaq: NTCT), Westford, MA, December 2020 – June 2021
Cyber-Security Company

Drupal 8 Developer

Full-stack Drupal 8 Developer responsible for updates and maintenance to the company's flagship site, netscout.com. Created and updated new content types and layouts with their associated meta tags for semantic web indexing. Created proxy redirects to embed vendor's WordPress pages into the main Drupal site. Integrated SSO logins using SAML with Okta Identity Provider. Maintained the IP-based blacklist in response to DDOS attempts.

- Audited 450 Google Tag Manager tags, triggers, and variables to reduce web page load times.
- Tools used: PHPStorm, Composer, Git, GitHub, Slack, Drupal 8, Lando, Docker, Acquia Hosting, Acquia Dev Desktop, Smartsheets, and Cisco WebEx

ViacomCBS (Nasdaq: PARA), Burbank, CA, April 2020 – September 2020
Mass-Media Conglomerate

Drupal 8 Developer

Full-stack Drupal Developer responsible for the maintenance and enhancement of two CBS Television Distribution web sites, EOnline.com (Entertainment Tonight) and InsideEdition.com. Updated mobile, tablet, and desktop advertising placement. Integrated taxonomy into existing content-based landing pages. Audited RSS feeds and edited underlying Views and PHP code for W3C RFC compliance. Audited AMP HTML and edited underlying PHP and JS code for AMP project compliance.

- Updated six custom Drupal themes and ten custom Drupal modules and created three new Drupal modules, totaling 63,000 lines of code.
- Integrated Vue- and React-based front ends to Drupal back end.
- Tools used: PHPStorm, Composer, Git, Jira, Bitbucket, Bamboo, GitHub, Slack, Drupal 8, Symfony 2, VueJS, ReactJS, Lando, Docker

Everbrite, LLC, Greenfield, WI, October 2019 – February 2020
Sign Maker

Drupal 8 Architect and Senior Developer

Architect and Full-stack Drupal Developer responsible for the front-end technical architecture, launch, and maintenance of the Everbrite Customer Portal. Integrated custom forms with proprietary back-end REST APIs using the JSON data format.

- Created forms for user acquisition, authentication, sales, and reporting.
- Tools used: PHPStorm, Composer, Pantheon, Git, Acquia Dev Desktop, Jira, Bitbucket, Slack, Drupal 8, Symfony 2, Webform

SeKON, Inc, Reston, VA, July 2018 – September 2019
Federal Government Contractor

Full-Stack Drupal Developer, Drupal SOLR Architect

Full-stack Drupal Developer responsible for the maintenance of four government web sites, including SAMHSA.gov. Integrated custom code with third-party search engine. Planned SOLR migration.

- Updated SCSS, Moustache templates to match new look-and-feel designs.
- Updated navigation code to provide Section 508 compliance.
- Tools used: PHPStorm, Git, Compass, Acquia Dev Desktop, Jira, Bitbucket, Lando, Docker, Mindbreeze, SOLR, Azure cloud

Hiscox, Inc (LSE: HSX), Atlanta, GA, October 2017 – February 2018
Small Business Insurance Company

Drupal 8 Senior Developer

Full-stack Drupal Developer responsible for the launch and maintenance of Hiscox.com, the main web site for the US arm of the company. Supported the site from pre-launch through Phase 2 development.

- Maintained and developed 38,000 lines of code.
- Tools used: PHPStorm, SASS/Compass, Composer, Git, GitLab, Acquia Dev Desktop, Jira, Confluence, Bitbucket, Jabber, Slack, Acquia, Varnish, Cloudflare, Drupal 8, Symfony 2, Vue.js

Tata Consultancy Services (NYSE: TCS), Atlanta, GA, September 2016 – October 2017
Professional Services Company

Drupal 8 Architect and Senior Developer

Back-end Drupal Architect and Developer responsible for creating a common Drupal 8 core distribution for all Turner properties except CNN (NBA.com, PGA.com, NCAA.com, Adult Swim, TNT, Boomerang, Cartoon Network, etc.). Created module to support dispersal of image assets to cloud accounts with support for on-the-fly resizing and manipulation.

- Audited 67,000 lines of code for security and coding errors resulting in 150 recommendations.
- Tools used: PHPStorm, PHPCS, Composer, Git, GitHub, Acquia Dev Desktop, Jira, Confluence, Bitbucket, Jenkins, Slack, Amazon AWS S3, Cloudinary, Drupal 8, Symfony 2

The Institutes, Malvern, PA, January – August 2016
Insurance Education Company

Senior Drupal Developer

Front-end Drupal Developer responsible for creating a responsive Drupal 7 web application to support Society members' renewal activities. Coded HTML, PHP, Bootstrap LESS, JQuery to conform to client designs. Responsive, mobile-first design with support for phone, tablet, and desktop views. Integration with Oracle 11g back-end database through ODAF connectivity layer.

- Development in a 'Pure-Agile' environment
- Tools used: Git, Gulp, Less, Vagrant, VirtualBox, Jira, Stash, Bamboo, Sharepoint, MediaWiki, Slack, Lync

NovoLogic, Inc, Lawrenceville, GA, September – November 2015
Content and Media Management Consultancy

Senior Drupal Developer

Back-end Drupal Developer responsible for creating headless Drupal 7 web application to support POS (Point of Sale) application. Created JSON API endpoints for Android tablet front end, integrated with Heartland Payment Systems for credit card processing. Integrated email and SMS messaging support for customer notification.

- Tools used: Subversion (SVN), Heartland API (for credit card processing), Nexmo (for SMS), Amazon SMTP (for email)

Time, Inc (TIME), New York, NY, June 2014 – September 2015
Magazine Publisher

Onsite Drupal Team Lead

Client-facing Drupal Team Lead responsible for leading migration of TravelandLeisure.com to Drupal 7. Advised on architecture, managed product requirements, coded and reviewed code, lead team of six onsite and seven offshore developers and testers, in addition to offshore project managers, architects, and business analyst. Interfaced with client's product manager, stakeholders, and technical advisors.

- Audited all content types and taxonomies for migration to Drupal CMS.
- Asked to participate in planning and migration of other TI web properties to Drupal.
- Managed 362 Agile stories, migrated 15 content types, and built 25 page templates
- Tools and technologies used: Git, GitHub, VMWare, Jenkins, CentOS, Jira, Confluence, Nginx, Apache, SQL, Percona DB, Varnish, Akamai, Drush, Migrate, Context, Views, Bootstrap, LESS

The Weather Channel, LLC, Atlanta, GA, February – May 2014
Television and Online Weather Broadcaster

Drupal Architect

Drupal Architect responsible to provide a successful relaunch of the highest-browsed Drupal site in the United States, averaging 30-50 million page views daily. Advised on security, performance and scalability, deployment, integration, internationalization, development, testing, and content migration best practices.

- Audited 81 groups of configuration settings and 116,000 lines of code to provide 76 prioritized recommendations to enhance security and maintainability.
- Tools and technologies used: Git, Vagrant, VirtualBox, Chef, Ubuntu LTS, AWS, Acquia hosting, Jira (both Agile and KanBan), Confluence, Akamai with ESI, Angular.JS, SASS

NovoLogic, Inc, Lawrenceville, GA, January – February 2014
Content and Media Management Consultancy

Drupal Developer

Back-end Drupal Developer responsible for upgrading existing Chick-Fil-A internal Drupal 6 site to Drupal 7 using a new architecture. Integrated multimedia uploads with Brightcove CDN. Wrote tools (Feeds, Form API, bash, cron) to synchronize user and store location information with external (XML, Excel spreadsheet) data sources. Added the ability for users to request specific content from their peers with targeted nightly e-mail notifications.

- Advised on content and data architecture and web site workflow.
- Finished 70% of weekly sprints ahead of schedule, all remaining on time.
- Tools used: Subversion (SVN), Amazon Web Services (AWS), Amazon RDS

PGA.com / Turner Sports (TWX), Atlanta, GA, October 2013 – January 2014
Televised and Online Sports Content Broadcaster

Drupal Developer

Back- and Front-end Drupal Developer. Integrated functionality of sister site **PlayGolfAmerica.com** into main **PGA.com** web site as a Drupal subsite. Created ability for users to find 'Friends Who Play Golf' on Facebook and follow interesting PGA Professionals via Twitter. Integrated JSON search results from Active.com and internal Apache SOLR servers using custom Drupal modules. Hand-coded JavaScript and minimal JQuery to speed page-load times.

- Implemented Drupal pages using template variables which increase site performance 200% versus using standard Drupal Views and Blocks
- As a new developer, achieved 165% of the expected velocity of established developers during the first four months of employment.

- Advised on Drupal 6 to 7 migration
- Wrote cross-browser compatible HTML, CSS, JavaScript, and JQuery code, targeting twelve different Browser version/OS combinations, including Mobile Safari.
- Tools used: Adobe Photoshop, Subversion (SVN), Jira, Bamboo, Confluence, Turner CDN

Sykes, Inc (Nasdaq: SYKE), Tampa, FL, August 2012 – September 2013
Customer Service Contractor

Senior Drupal Developer

Back- and Front-end Drupal Developer. Implemented new designs for corporate Intranet using Drupal. Responsible for all areas of all sites' development, including HTML5, XHTML, JavaScript, AJAX, CSS 3, Flash, and management of LAMP servers.

- Managed and updated multiple Facebook presences and associated Facebook apps.
- Implemented functional Drupal sites based on Adobe Photoshop (PSD) and Adobe Illustrator (AI) designs
- Created desktop, tablet, and smartphone designs using responsive design methodology.
- Moved all multimedia content to Amazon CloudFront CDN, ensuring smooth access to content in the 21 countries that SYKES has employees.
- Integrated modern social features into intranet, including friending, shared groups, user wall and timeline, user profile, shared and individual photos, in-browser and e-mail content notifications, likes/dislikes, and objectionable content flagging.
- Managed 129,000 lines of code, including 191 Drupal modules, 19 of which were custom.

Drupal Connect, Providence, RI, January – August 2012
Drupal Development Agency

Senior Drupal Developer

Back- and front-end developer for several client web sites, including Guess Watches, USDA Foreign Agricultural Service, Consultative Group to Assist the Poor (CGAP, a World Bank program), Rockefeller Brothers Fund, and National Charter School Resource Center.

- Successfully participated in on-time delivery of Drupal/LAMP web site designs and redesigns for many diverse clients, including public, private, and non-profit.
- Integrated with existing Agile development methods of semiweekly sprints and coding to requirements based on user stories.
- Tools used: Subversion, Git

ActionNet, Inc, Vienna, VA, September 2009 – January 2012
Government Contractor

Senior Drupal Architect

Architect for U.S. Department of Education's public-facing web site, www.ed.gov, serving 30 million hits monthly. Designed Drupal implementation for migration from IBM J2EE WebSphere and Interwoven TeamSite, integrating web 2.0 technologies like blogs, mini sites for program offices, photo galleries, forums, wiki, RSS feeds, tagging, more. Led team of five developers.

- Participated in all requirements sessions and designed Drupal architecture to match.
- Successfully designed and implemented combination software/hardware solution that serves twice as much traffic as whitehouse.gov using 10% of the EOP's estimated budget.
- Designed and technically managed nine major and many more minor releases in 21 months.
- Commended by client for successful, on-time implementation of new Drupal architecture and employer for successful contribution of ED.gov code back to Drupal codebase.
- Led and managed development team through full SDLC, including requirements gathering, solution architecture, development, code review, Section 508 review, testing and certification, security audits, and deployment to test, production, and disaster recovery sites.

EDUCATION

AMERICAN PUBLIC UNIVERSITY, Charles Town, WV
Major: Intelligence Studies

POINT PARK UNIVERSITY • COMMUNITY COLLEGE OF ALLEGHENY COUNTY
SALT LAKE COMMUNITY COLLEGE • BRIGHAM YOUNG UNIVERSITY
GLENDALE (AZ) COMMUNITY COLLEGE
Majors: Intelligence and National Security, Computer Science

PRINT PUBLICATIONS

PRIMA PUBLISHING: Integrating Your Network with Caldera OpenLinux
C-LEVEL TECHNOLOGY REVIEW: featured columnist (Inside the Minds)
COMPUTER SOURCE: featured columnist (almost 30 monthly articles on Linux)
FALSOFT, INC: contributing author (4 articles on OS-9 programming)

CLEARANCES / CERTIFICATIONS

Department of Education: 6C (Public Trust) clearance (inactive)
Department of Commerce, Department of Defense, HHS: Public Trust clearance (inactive)
COMPTIA: Security+, Network+, Linux+
SHL: JavaScript (Proficient), CSS3 (Advanced), HTML5 (Advanced)
BRAINBENCH.COM: Master Linux Administrator (RHEL5)
NOVELL, INC.: Certified NetWare Administrator (CNA)

RECOMMENDATIONS

Commended by Department of Education for on-time delivery.
15 recommendations and 497 endorsements across 49 skills on LinkedIn
([linkedin.com/in/josephcheek](https://www.linkedin.com/in/josephcheek))

*** Basic knowledge of French, German, Spanish, and Tagalog ***