

DANIEL MUNDRA

danielmundra.com

Skills

- .NET, C#, REST
- Apache, PHP, MySQL
- Angular, TypeScript, Svelte
- AWS, Azure, Google
- Canvas, ILIAS, Moodle
- Certified Scrum Master
- Cypress, Axe, Pa11y
- Docker, Jenkins
- Drupal, WordPress
- Git, GitLab, GitHub
- HTML, CSS, JavaScript
- Mac OS, RedHat, Windows
- Node
- Jekyll
- jQuery
- Python
- Shibboleth, SAML
- XUnit

Work Experience

Associate Director of Drupal, CivicActions, Inc., Lafayette, CA - September 2021 to Present

- I support and mentor 6 highly experienced engineers with an average of 15 years of industry experience. I help them with their projects, technical leadership opportunities, professional development, their related objectives and key results. I help them resolve conflicts and coach them on leading and supporting their team members on their work and contributing back.
- I participate in program, practice areas, and policy discussions and implementation. I helped review the COVID-19 vaccine policy and affirmative action policy. I brought together coworkers, worked on, and updated the handbook with an updated tech lead role description, the CivicActions Accessibility champions program, video call best practices, difficult conversation guide, Drupal practice area onboarding documentation, and manager support best practices. I also participate in leadership training. For example I helped lead an OKR activity at a leadership summit, I do role playing exercises with new managers, and I lead a conversation training exercise for all managers.
- I participate in hiring by conducting interviews and reviewing take home submissions. I have also helped improve our take home exercise to have more automated tests and updated descriptions to assist the applicants. I also serve as hiring manager for web accessibility engineer hires where I have handled communications, worked with subject matters experts to create and update the questions, work with hiring lead to schedule interviews and help pick the best candidate. I also help retrospect on our hiring process and work on improving them. For example after internal hire missteps, I interviewed the internal candidate to get their feedback and use that to define areas of improvements like communication and handling project implications.
- I support other teams on agile practices. I helped review the team working for the National Science Foundation on their implementation of the LESS framework and how they try to be agile with that framework.

Back-End Engineer, CivicActions, Inc., Lafayette, CA - December 2020 to Present

- Work on scrum teams with developers, DevSecOps engineers, QA engineers, project manager, and product owner. I serve as a backend, DevOps, and lead engineer working primarily on Drupal to build

enterprise-level websites for client organizations.

- I am DevOps lead for the National Science Foundation main site and I work with a team to support Jenkins and AWS infrastructure. I have implemented advanced bot mitigation strategies to secure site availability and performance. I ensure the developers have stable Jenkins jobs for their code changes and are getting timely feedback for their work. Recently helped cut automated build times nearly in half (from 60–70 minutes down to 30–40 minutes).
- I supported multiple Drupal data sites for Centers of Medicare and Medicaid Services by doing code reviews and writing tests for the open source DKAN project that powers the sites.
- I worked on the Defense Security Cooperation Agency's GlobalNET platform project. I created Drupal and ILIAS solutions and tests that make up the platform. I also worked with the DevSecOps engineers to improve our continuous integration that runs on Docker and GitLab and help troubleshoot site issues in AWS. I also contribute back solutions to the Drupal and ILIAS communities.
- I worked on the General Services Administration's (GSA) OpenACR project. OpenACR is a digital native Accessibility Conformance Report (ACR) product. I created validator, editor tools with tests in JavaScript, TypeScript, Node, and Svelte. I used GitHub to manage the source, run the tests in GitHub actions and deploy the editor to GitHub pages.
- I contribute to the CivicActions accessibility practice area. Work with co-workers on improving how accessibility testing is included in our projects and community. I set up automated testing on the practice area's website using Pa11y, Cypress, Axe, and GitHub action. I shared the solutions with colleagues outside of CivicActions including the General Services Administration's 18F team. I published a post on [automated accessibility testing to Opensource.com](#) and co-authored one on [adding tests to Drupal core](#).

Senior Developer, Information Services, *University of Oregon, Eugene, OR - May 2016 to December 2020*

- Worked on a Scrum team with 3 developers, 2 designers, and a product owner to develop and deploy web-based sites. I was the team's scrum master who helped set up and coach team members on scrum practices.
- Worked on another team with 1 DevOps developer, 1 Business Intelligence Analyst, and a data warehouse expert. We implemented a solution to use Azure to bring in daily learning management data to be combined with enterprise data to help build reports on student success.
- Developed project cost and effort-based estimates based on historical project data. I used the data and the team's velocity to create schedule estimates. As the project progresses I helped the team and client monitor the project burn rate, schedule, prioritize changes, and re-estimate when appropriate.
- Developed Angular and .NET solutions that are deployed with continuous integration to Azure. I wrote unit and integration tests in both Angular and .NET. In Azure, I have created and used app services, functions, data factory, batch, key vault, application insights, storage accounts, Graph API, Azure DevOps, PostgreSQL, and MySQL service.
- Created customized install profiles, modules, and other Drupal features to meet the client's requirements. I managed dependencies, integrations like enterprise data from APIs and Oracle databases, created Jenkins pipelines to automate our deployment, created policies, and documented guidelines for other developers in the team. I also submitted bug fixes and features to third-party

Drupal modules and JavaScript libraries.

- Worked with system administrators to create Docker solutions for developers to run Drupal and other applications in Mac, Windows, and Linux environments. This included a multiple node Docker Swarm setup to host our legacy sites.
- Coordinated peer-reviews of solutions and code, provide technical leadership, and develop requirements, user stories, user guides, and technical documentation.
- Provided long and short-term strategic planning concerning web platforms and supporting technologies. Acted as Dev Services Team Lead in the absence of the usual Lead, managing employee's daily accountability to the Agile project management process.

Web Services Manager, College of Arts and Sciences Information Technology Service (CASIT), *University of Oregon, Eugene, OR - July 2013 to May 2016*

- Provided strategic direction and leadership for project management, customer service processes, software selection, and support surrounding the college's web presence. Supervised, directed, and trained 4 full-time staff and 2 students.
- Responsible for the exploration, implementation, testing, and maintenance of all web-based technologies and directs solutions to functional and technical problems.
- Managed the development of a complex, responsive, custom WordPress theme for the College of Arts and Sciences (CAS) and implemented it for 33 departments.
- Communicated with office managers and faculty in CAS departments to deliver websites and applications that fulfill their needs. Collaborated with other CASIT service managers to create and improve departmental policies that impact CASIT (e.g. new employee hiring procedures).
- Worked on Drupal projects like creating a workflow application for the Genomics and Cell Characterization Core Facility, a database application for Tribal Climate Change, and converting a stand-alone PHP application for International Environmental Agreements.
- Served as an active member of the campus Development and IT community. Participated in job search committees with other IT departments to hire qualified employees.
- Contributed to a centralized Drupal hosting environment. Work with a steering committee to provide support as well as develop, test, and deploy new features to an Aegir backend. Presented on behalf of the committee at Pacific Northwest Drupal Summit 2015.

Analyst Programmer, College of Arts and Sciences Information Technology Service (CASIT), *University of Oregon, Eugene, OR - August 2010 to July 2013*

- Developed online forms and databases that manage workflows and processes, primarily working with Drupal and WordPress content management systems.
- Completed projects like a web-based interface for a campus-wide space database that tracks the use and occupancy of 25,000 rooms, a purchase tracking system for CASIT, a graduate student database for Physics and Biology, and an advisor scheduling system.
- Provided website and server support for the CASIT. Duties included maintaining and launching websites, setting up web servers, and installing server applications. Worked primarily with RedHat and

CentOS servers and applications like Apache, Django, MySQL, PHP, Ruby on Rails, and Shibboleth.

- Provided tasks and direction to 2 programmers, 1 designer, and 1 student employee.
- Served as an active member of the campus Drupal community.

Education

Masters of Science, Computer and Information Science, *University of Oregon, Eugene, OR - September 2009 to June 2010*

Bachelor of Science, Computer and Information Science, *University of Oregon, Eugene, OR - September 2006 to June 2009*