

# Kyle Davis

## Full Stack Web Developer

### Personal Info

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### Skills

Javascript/jQuery

PHP

MySQL/MSSQL

HTML/Twig

CSS

Drupal 7/8/9

Graphic Design/UI

AWS

Git

Adobe Creative Cloud

Composer

Docker

Full stack web developer with 13+ years of experience. From database to front end and UI, I am proficient in all areas of web development and design. I have created and worked on various websites and applications throughout my career. I am efficient and work well in teams or alone. I have worked on multiple Drupal projects using docker, NPM, composer, and projects with CI/CD leveraging GitLab and AWS, I have built scale-able and automated architectures that simplified the development workflow. Since the web is constantly changing, developers must change as well. Because of that, a personal goal of mine is to constantly research the newest technologies available and stay up to date on modern trends. And ultimately, make sure my websites and applications are reliable, accessible to all, easy to use, efficient and most importantly, accessible to all.

### Experience

04/2018 - Present Web Developer  
University of Oklahoma Libraries

- Migration of a large, high-traffic site (libraries.ou.edu) from Drupal 7 to Drupal 9. Creating development workflow, custom modules, and design/theme.
- Manage and maintain around 15 websites within the libraries.
- Recently assisted in updating all sites to a more secure PHP 7.
- Completed migration of exhibits.libraries.ou.edu from Drupal 7 to Drupal 9 while switching to the Pantheon platform and reworking the theme for newer bootstrap compatibility.
- Responsible for the Pantheon platform that is hosting all of the new sites. Created internal documentation for development on Pantheon as well as implementing the composer-based workflow needed for managing custom modules and libraries.
- Built the visualization tool for the data generated by the "Measure the Future" project. MTF is an open source visual tracking system used by the libraries to track popularity of the in-person exhibits.

05/2015 - 04/2018 Web Developer  
Mesonet/Okla Climatological Survey

- Created and completed the Mesonet's first Drupal site for the U.S.D.A Agricultural Research Service - ARS (ars.mesonet.org)
- Started the major project to update the main Mesonet website to Drupal 8. As project lead, I was responsible all elements of the site such as: workflow, theming, content, custom modules, multiple weather API's, Node.js package management, and composer dependencies.
- Complete re-work of the Mesonet OKFIRE website. This fire danger management site was severely outdated and very complex. I was able to simply hundreds of pages down to a manageable list of tools. Simplicity, efficiency, and reliability were imperative to the redesign due to the nature of this life-saving project. Site: mesonet.org/index.php/okfire
- Created SVG weather widgets that retrieve live weather data and display it dynamically in the National Weather Center.

## Education

2009 - The University Of Oklahoma

- Bachelor's of Science in Meteorology
- Minor in Broadcast Meteorology with Journalism and Mass Communication.
- Minor in Mathematics

## Certifications

AWS Systems Operations  
Project Management

## Conferences

04-2022 DrupalCon Portland  
05-2020 DrupalCon Minneapolis (remote)  
04-2018 DrupalCon Nashville  
09-2017 ThunderPlains OKC  
04-2017 DrupalCon Baltimore  
05-2016 Signal by Twilio

02/2016 - 12/2019

Full Application/Web Developer  
PoolQueue

- Sole developer for billiards gaming start-up, "PoolQueue".
- Designed and created graphics, MYSQL database, HTML, JS, CSS, and an AWS hosted EC2 development environment as well as a load balanced production environment.
- Website provides ability to digitize a billiard hall's pool tables and digitize the wait list for the tables. New players are notified by text or voice call when the table is ready via Twilio API. Once checked in, the system charges their account and relays the confirmation to a sim card connected Arduino board in the table. The table then releases the pool balls for the players to play a game. This removes the need for tables to take change.
- Engineered and programmed the Arduino board to mechanically open and close the pool ball release pin.
- Extensive work in AWS services like S3, EC2, Route 53, RDS, and Elastic Beanstalk.

03/2013 - 04/2015

Web Developer  
Redibids

- Created cutting-edge, live auction and gaming website.
- Had a significant role in developing the MSSQL database structure, database implementation, javascript/JQuery, and the site UI.
- Implemented web socket technology for the ultra-fast delivery of data. Speed was an imperative aspect of the nature of the site to deliver accurate results for users bidding on auctions.
- Created very detailed custom administration portal for the management of the site, items, and auctions.

05/2009 - 02/2013

Media Manager and Developer  
Weather Decision Technologies (now DTN)

- Developed weather map creator and administrative tool. Used by news stations across the US for creating customized weather maps.
- Worked as a developer for iMap, an interactive weather map with multiple layers. Used Google and MapBox maps along with custom data generated by WDT.
- Created a tool for storm chasers in our chaser network to live stream their video. The storm chaser location and live video was then shown on iMap allowing users to view multiple videos at once as weather events took place.
- Worked with application team to assist in developing and releasing over 20 iOS and Android white label apps as well as the very popular radar app, Radarscope.

2009 - 2012

iOS Application Creator/Developer  
Personal iOS App

- Was sole developer and owner of application.
- Application was very popular and was frequently at the top of the charts in that category. Had over 60,000 downloads for the 2 years it was on the store.