

# Kyle Barney

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## FULL-STACK SOFTWARE ENGINEER

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### EXPERIENCE

#### Principal Developer | ShopHero

06/2021 – Present

**Technologies:** PHP, Laravel, Vue.js, Nuxt.js, JavaScript, MySQL, TailwindCSS, Amazon Web Services (AWS), Git, Docker, Linux, Laravel Vapor, Algolia

- Architected and developed a REST API-based endless aisle eCommerce platform, including an integration with Dot Foods - one of North America's largest grocery redistributors.
- Integrated REST API-based endless aisle solution into ShopHero's existing eCommerce platform.

#### Senior Developer | ConexED

10/2020 – 06/2021

**Technologies:** PHP, Laravel, React, Vue, jQuery, JavaScript, Zend Framework 1, MySQL, CSS, Bootstrap, Amazon Web Services (AWS), Git, Docker, Linux

- Architected and built new student case management product that was key to the company's efforts to boost sales revenue.
- Implemented user interface redesign on a system supporting over 2MM user accounts with clients such as the University of Pennsylvania and Brigham Young University.
- Modernizing legacy PHP codebase with namespacing/autoloads and integration of modern tooling (Eloquent ORM, PHPSpreadsheet, other Illuminate packages, etc.) for improved developer productivity.

#### Senior Software Engineer | Malouf

11/2018 – 10/2020

**Technologies:** PHP, Laravel, MySQL, Redis, JavaScript, Vue, CSS, Bootstrap, Amazon Web Services (AWS), Drone.io (CI/CD), Git, Docker, Linux, PHPUnit

- Automated key accounts receivable functions by creating tools for mass payment application, scheduled payment processing, and credit memo auto-generation, saving department staff large amounts of time and reducing the need for additional hires.
- Built and deployed DevOps infrastructure and pipelines using Docker containers and Drone CI/CD service.
- Modernized key PHP codebase handling hundreds of millions of dollars in business - implementing the latest standards in ORM, caching, and queue worker technology to improve teamwide productivity.
- Transitioned key software away from manual deployments to automated, continuous deployments using Envoyer and Drone.io, preventing errors and reducing time to deploy.
- Transitioning software to a high availability architecture on AWS, increasing application reliability.
- Converted in-house ERP software to a multi-tenant architecture, enabling software re-use in subsidiary companies.
- Instituted automated testing to improve codebase reliability and reduce time to deploy.
- Integrated with third-party API (TaxJar) for business-critical accounting and sales tax compliance functions.

#### Full-Stack Web Developer/Lead Developer | THG Ingenuity

01/2018 – 11/2018

**Technologies:** PHP, Laravel, MySQL, Redis, JavaScript, Vue, AngularJS, CSS, Git, Linux, PHPUnit

- As lead developer (July to November), led the successful rescue of a behind schedule bandwidth billing project.
- Defined requirements for, managed, and mentored a team of 6 developers.
- Conducted code reviews for proposed updates and additions.
- Worked to refactor a vanilla PHP codebase supporting large enterprise clients, including Microsoft and Nintendo, to the Laravel PHP framework and implemented automated tests using PHPUnit for the resulting codebase.
- Assisted in developing application architecture and database schema.
- Implemented OpenID Connect (OIDC) authentication system.

## **Cofounder & Full-Stack Developer | BeneGov**

08/2016 – 07/2017

**Technologies:** PHP, Laravel, MySQL, JavaScript, Vue, jQuery, CSS, Bootstrap, Amazon Web Services (AWS), Git, Linux

- Architected and built web applications to improve customer service and boost employee efficiency for municipalities, including applications for code enforcement, board management, public meetings, and citizen relationship management.
- Created a highly reliable and scalable infrastructure on Amazon Web Services (AWS).
- Conducted QA testing and mentored junior technical partner.

## **Management Analyst | Utah Governor's Office of Management**

08/2013 – 07/2016

- Led IT redesign projects and performed QA testing of IT systems.
- Created interim IT system for tracking state agency performance metrics.
- Acted as team lead/group facilitator on Governor-mandated review of state criminal justice system.
- Performed training and facilitated sessions on process improvement methodologies and planning for audiences ranging from line employees to the senior state department leadership.
- Assisted in developing process improvement training curriculum for state employees and leadership.

## **EDUCATION**

**BS – Software Development** • Western Governor's University • 04/2018 – 09/2019

**MPA – Public Administration** • Brigham Young University • 08/2012 – 12/2013

**BA – International Studies** • Brigham Young University-Idaho • 09/2008 – 07/2012

## **OPEN-SOURCE SOFTWARE CONTRIBUTIONS**

**Laravel Agora Videoconferencing Package** | <https://github.com/tipoff/laravel-agora-api>

**Technologies:** PHP, Laravel, Vue, Vuex, Agora, Laravel Echo, Websockets

- Built package for placing video calls over the web via the Agora.io API. Included server-side handling of authentication and call initiation as well as a set of composable Vue components for use in user interfaces.

## **KEY SKILLS**

### Back-End & DevOps

- PHP
- Laravel
- Zend Framework
- MySQL
- PHPUnit
- Linux
- Redis
- Amazon Web Services (AWS)
- Digital Ocean
- Drone CI
- SQL
- Continuous Deployment
- Docker/Docker Compose
- Nginx

### Front-End

- Vue & Vuex
- React
- AngularJS
- Alpine.js
- JavaScript
- TailwindCSS
- Bootstrap

## **AWARDS**

### **Winner of USVA's Veteran's Online Memorial Challenge – [www.va.gov/remember](http://www.va.gov/remember)**

Won a United States Department of Veterans Affairs UX design competition with the goal of "enabl[ing] virtual memorialization of the millions of people interred at VA national cemeteries." The finished product (based on my design) can be viewed at [www.va.gov/remember](http://www.va.gov/remember).

## **RELEVANT CERTIFICATIONS**

**Oracle Database SQL Certified Associate** • Oracle

**Project+** • CompTIA