

James Barrett

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SUMMARY

Dedicated full-stack Senior Software Engineer with over 12 years of experience building web sites and applications using a wide variety of technologies and across multiple industries. Results-driven, highly adaptable and always looking for better, more efficient ways to get things done. When I'm not engineering software, I can be found engineering Legos with my 9-year-old son, working in the garden or practicing archery.

SKILLS

- Javascript - Angular, Vue, React, Node, ExtJS
- Advanced custom PHP
- Laravel, Symfony
- MySQL, SQL, Postgres
- Git, SVN
- CI/CD (Jenkins, Github Actions)
- Jest, Jasmine, PHPUnit
- LAMP, Docker, Ansible
- Jira
- Agile
- Troubleshooting/Bug fixes

WORK EXPERIENCE

Senior Software Engineer- The Knot Worldwide

June 2022 - September 2023

During my time with TKWW I worked as part of the Vendor Experience team helping to expand functionality of the Global Platform. My primary focus was on the Unified Inbox, which allows vendors to view and respond to messages from potential clients across multiple platforms all in one central UI. We followed Agile methodology and used Jira to manage tickets and sprints. My time was generally split around 50/50 between frontend and backend development, and approximately 70/30 new features vs bug fixes/tech debt.

- Created a class that can accept data from different sources and in different formats and outputs it in a unified structure that can be effectively utilized by the UI.
- Responsible for creating several API endpoints (Symfony framework) using Hexagonal Architecture and the accompanying unit tests.
- Created a React component that displays and updates status flags for messages along with the API endpoints and tests for both frontend and backend. (jest and PHPUnit)

Software Developer - Freedom IOT, Cincinnati, OH

October 2020 - June 2022

At Freedom IOT I was a key member of a team working to develop, maintain and expand the eLOG software suite, which is a Java application in a glassfish/payara environment with ExtJS for the web UI. This software tracks and reports on production data collected from production machinery during the manufacturing process. Due to the nature of the application I've had the opportunity to work with high quantities of near-real-time data and to use this data to generate custom reports, charts and analytics.

- Created a custom export module that allows users to filter data, select export rows and format cells before exporting to Excel, CSV or PDF.
- Expanded functionality of a Trigger/Action system that polls the database for specific changes and triggers user-defined responses in real-time.
- Expanded the local authentication system to utilize SSO and/or LDAP based on user configuration.

Full Stack Developer/Consultant - Robert Half Technology, Cincinnati, OH

March 2016 - October 2020

As a member of Robert Half's Salaried Professional Services division, I had the opportunity to work on a wide variety of projects for many clients. Among these are development of a large-scale PLM system for a manufacturing client (PHP, SQL Server, jQuery) and 3 custom applications for a national investment/financial company (NodeJS API with ReactJS front-end). My final 2 years with Robert Half were spent working with a client in the medical field helping to build several applications that allow case managers to track interactions with clients. These were written using Laravel and Angular and we later recreated several using Ruby on Rails and Vue.

Full Stack Developer - US Digital Partners, Cincinnati, OH

January 2015 - February 2016

At USDP I was responsible for full end-to-end development of client websites. The majority of these were developed using Wordpress CMS with custom themes, but several also used Laravel. For each site that I developed I was responsible for creating and maintaining a staging server on our internal network including updating DNS settings and creating vhosts on an apache server. After all development was completed I would assist in creating an AWS instance for the new site, updating the client's DNS records, migrating the database and moving all site files to the new server.

I would also lead training sessions with clients to get them up to speed on Wordpress in general as well as any custom features that I had created specifically for their site. I also created and maintained all documentation that was used for this training.

Javascript Developer - Elsevier, Miamisburg, OH

May 2014 - December 2014

At Elsevier I was tasked with creating custom javascript scripts using a proprietary platform built for the Science Direct system. These scripts were entirely stand-alone and could be dropped directly into the code and would function without accessing any data from the server and without touching any actual server code. I attended daily conference calls and weekly meetings with the UI team, during which we would brainstorm new ideas for gadgets that may enhance User Experience and then implement prototypes of the new ideas to be used for A/B testing on the live site. Among the scripts that I developed for the platform was a method of 'hi-jacking' the default browser Ctrl+F search function and replacing it with a more feature-rich custom module.

PHP Developer - Powerhouse Factories, Cincinnati, OH

October 2013 - April 2014

At Powerhouse I developed and maintained multiple client sites using Joomla CMS as well as providing ongoing support for a legacy inventory management application written in PHP. Additionally, I was responsible for updating client content on a regular basis and doing standard low-level server maintenance in a Linux environment.

Web Developer - Webster Interactive LLC, West Chester, OH

July 2011 - September 2013

At Webster Interactive I was the lead developer on a large, long-term project to develop a fully custom PHP application to be used internally by the ERNet group at Procter & Gamble. This was used for file sharing and internal communication as well as for course management for internal training. I also worked on several Wordpress sites during this time which were developed using custom themes and plugins.