

Jamison Bryant

Software Engineer Specializing in PHP and JavaScript Development

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EXPERIENCE

Orases Consulting, Frederick, MD — Sr. Full-Stack Developer

June 2020 - present

- Developed numerous enterprise-grade web applications using PHP frameworks and industry-standard best practices such as OOP, TDD, DevOps, relational database design, and rapid development.
- Designed and architected complete, large-scale modules for existing software projects to provide advanced functionality for such tasks as event registration, contact management, and e-commerce.
- Worked with business analysts to translate client requirements into mockups and then to scalable, reusable, responsive code that is used across multiple projects with similar requirements.
- Researched and architected an end-to-end DevOps pipeline for projects that was reusable across the entire organization utilizing code quality tools, containerization, secrets management, and redundancy.

Quicken Loans, Detroit, MI — Software Engineer

June 2019 - June 2020

- My division focused on enterprise tooling, providing engineers from other trains quick and easy access to a delightful array of development tools that make writing, delivering, shipping code what we love to do best.
- My team maintained, developed, and supported a full-service software deployment tool for company products. Featured cloud deployments, pipeline integration, infrastructure management, and secret-keeping.
- Strong focus on professional development in my first year. I've been to multiple company-sponsored trainings featuring topics such as AWS, Machine Learning, Kubernetes, .NET Core, and more.

March 2019-June 2019- Independent consultant for Akooba

Akooba, Beltsville, MD — Full-Stack Developer

October 2018 - March 2019

- Introduced tools from my own experience to the dev team that were quickly adopted into the dev stack. Multiple tools, some custom-made, fully documented for onboarding devs.

SKILLS

Web Development
Software Development
Database Administration
Continuous Integration
Command-Line Tools
Agile Development
Documentation
High-Quality Code & Standards Enforcement

LANGUAGES

Lang.	Yrs.	Last Used
HTML	14	2021
CSS	14	2021
JS	12	2021
jQuery	11	2021
NodeJS	6	2021
Python	8	2021
Shell	11	2021
Java	5	2016
SQL	11	2021
PHP	11	2021
C#	6	2020
.NET	3	2021

- Developed system to perform automatic comparisons between expected and audited specifications of purchased refurb tech and to generate summary reports in a variety of formats.
- 20% time'd a React component to allow users to gather system and application version info, PC specs with a click of a button for copy-pasting into bug reports.
- Worked on numerous data importers and exporters with rock-solid validation for use by managers and warehouse leads when importing massive spreadsheets of purchase and shipping data.

January 2016–October 2018 – School (MC & UMBC)

Intelligent Automation, Rockville, MD — Programmer

June 2014 - December 2015

- Wrote communication bridge for sending joint angle/velocity commands to robot running Linux operating system from C++ application running on Windows.
- Co-lead effort to improve company code base quality and integrate development best practices such as code standard adherence, continuous integration, and unit testing.
- Extended source code from 3rd party to support live video feed from a webcam on a robot to a Windows C++ application using a JAUS network protocol.
- Wrote utility to gather uncompressed high-resolution video data from a robot performing a visual inspection of a material to be piped into a 3rd-party program for analysis.

August 2013–June 2014– School (MC)

UMD SEAL Lab, College Park, MD — Assistant Student Researcher

May 2013 - August 2013

- Was part of a research effort exploring the applications of ROS as a framework for artificial intelligence/robotics experiments.
- Developed a demo application using ROS and the Microsoft Xbox Kinect that detected the joints of a human standing in front of the camera and built a virtual skeleton that updated in real-time.
- Worked on a real-time machine-learning based maze solver using ROS and the iRobot Create platform.

TOOLS & PLATFORMS

Tool/Plat.	Yrs.	Last Used
PhpStorm	5	2021
Pycharm	3	2021
DataGrip	2	2021
VisStudio	8	2020
Windows	21	2021
Mac	5	2021
Linux	8	2020
CakePHP	9	2021
Symfony	2	2021
Laravel	2	2017
React	2	2019
AngularJS	3	2021
AWS	8	2021
Phing	6	2018
Vagrant	7	2021
Git	6	2021
SVN	6	2020
GitHub	8	2020
GitLab	4	2021
JIRA	9	2021
CircleCI	1	2020
Vim	5	2021
VS Code	3	2021
Bash	6	2020
Zsh	5	2021

Robotic Research, Gaithersburg, MD — *IT Specialist*

January 2013 - May 2013

- Wrote a program to monitor CPU frequency/internal temperature of robot to diagnose issues with camera framerate.
- Wrote a websocket application to control and view information about a robot operating over secured Wi-Fi at least 100 yards away.
- Learned how to build and solder many different kinds of connectors and wires, including Molex, Deutch, and Amphenol.
- Directed and shot videos of company robots, and compiled them into technical demonstrations that were shown to clients.
- Helped with robot demonstrations, including setting up radio and Wi-Fi communications, and driving robots through obstacle courses.

August 2011-January 2013 - School (RIT & MC)

The National Institute of Standards & Technology, Gaithersburg, MD — *IT Specialist*

May 2011 - August 2011

- Worked on an enterprise web application that allowed scientists & researchers to schedule time to use a high-powered neutron beam
- Developed new features and improved Section 508 compliance sitewide
- Assisted with database migrations and backups

EDUCATION

University of Maryland Baltimore County, Halethorpe, MD — *B.S., Computer Engineering (incomplete)*

2017 - 2018

Extracurricular activities: Volunteer EMT, Balt. Cty. FD Stn. 35 (Arbutus)

University of Maryland, College Park, College Park, MD — *B.S., Computer Engineering (incomplete)*

2013-2014

Extracurricular activities: Terrapin Trail Club, urb-ex

Rochester Institute of Technology, Rocheter, NY — *B.S., Computer Engineering (incomplete)*

2012

Extracurricular activities: Drumline

Montgomery College, Rockville, MD — A.A., Computer Engineering (incomplete)

Various years

PROJECTS

CakePHP Secure IDs Plugin — 2016

A CakePHP plugin for using secure, non-incremental IDs for data objects. These non-incremental, non-guessable, randomly-generated unique identifiers are assigned to records in your database to solve a whole host of problems, from usability to security and beyond.



CakePHP SparkPost Plugin — 2016

In ~2014 Mailchimp, a service used by developers worldwide, removed the free tier of their service, leaving everyone in the lurch. Many developers were left looking for a solution. SparkPost was a platform offering a similar service, except there was no official plugin for it for CakePHP. This is that plugin! I was recognized by SparkPost for this work.



Hello Git — 2015

Project for Bitcamp 2015 at UMD College Park. The intent was to design a voice-interaction system for git repositories, but it turned out to be a very difficult task a) because I was using Linux and b) designing a voice recognition system in a gymnasium full of programmers all yakking at the same time is very difficult.



Fitcentive — 2015

Project for the 2015 KP Health & Wellness Code-a-Thon. Fitcentive is the go-to app that allows you to manage your active lifestyle better with fitness activities and recommended meals that fit your profile no matter where you are. Use Fitcentive to meet up with friends to get you the best deals to the trendiest gyms, as well as access to state-of-the-art equipment, and group exercise classes.



CapitolRX — Founded 2014

My very first startup, built around scaling and growing a referral/affiliate program for pharmacy discount codes that uninsured patients could use to get discounts off of their prescription medication. Of the discount, we got a cut, the distributor got a cut, and the charitable organization got a cut. Had over 40k pharmacies on board, but another company had better marketing



and a better feature set. Shuttered after 1 year, but what an experience. Can't wait for the next big thing.

LEADERSHIP & VOLUNTEERISM

Programming Team Mentor — FRC Team #4638 - 2016-17

Mentored a team of 8 high school students with various levels of experience, some learning programming for the first time. Taught Java by means of examples, coding challenges, whiteboard exercises, and robotics/AI applications.

Team Mentor — FIRST Lego League - 2014-17

Mentored various teams over the years and provided guidance and direction to middle-school students in a variety of areas from design, strategy, and programming to research, logistics, and presentation. Teams I have mentored have gone on to win state championships.

Emergency Medical Technician — Baltimore County FD

State- and nationally-certified EMT with 1.5yrs experience responding to over 500 emergency and non-emergency calls with the Arbutus Volunteer Fire Department in Catonsville, MD. Worked during 2018 Ellicott City flooding events & many other severe weather events. Served on AVFD steering committees & other management roles.