

## Josh Dale Riley

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[Website](#) | [GitHub](#) | [LinkedIn](#)

### Objective

- To learn and solve best in class solutions for an idea or problem with my passionate talent

### Summary

- Passionate understanding of programming full stack development solutions
- Expert understanding of object oriented programming solutions
- Able to implement secure application programming interfaces(API)
- Able to work through problems by utilizing documentation and knowledge
- Proficient using terminal commands for Linux and Windows operating systems
- Expert at researching systems and debugging issues
- Initiative personality working individually or with a team
- Strong technical and cognitive ability

### Education

- Autodidactic - Started at 10 years old
- Nederland High School - Diploma
- University of Phoenix - Bachelors with a Software Engineering concentration

### Technical

- Setup development environments with version control systems
- Research, design and develop database models
- Write code for a design/mockup to deliver a functional application
- Setup deployment and team environments on Linux or Windows servers
- Proficient working with Adobe Suite for designs and presentations
- Front End Development - Markup, JavaScript, Bootstrap, Angular, Node, Ionic, React, Vue
- Back End Development - PHP, C#, .NET, .NET Core, C/C++, Java, TypeScript, GO, Ruby, Python
- Database Technologies - MySQL, NoSQL, MongoDB, PostgreSQL

### Projects

1. **Drone Camera Web Stream**
  - a. Hummingbird I.MX6 ARM using Linux kernel
  - b. DJI Matrice 600 Pro Drones with custom 360 degree gimbals
  - c. UI using C++, Markup and JavaScript to control camera view and options
2. **Electronic Paper Sign – Website**
  - a. Photon Particle with Wi-Fi Module using Linux kernel
  - b. Custom 18" wood frame for the electronic paper sign
  - c. User management portal using Python, Laravel(PHP), MQTT and JavaScript
3. **Cookie Company Delivery Driver Application**
  - a. Users mobile device synced with the eCommerce API for dispatching and reports
  - b. Internal System API using Laravel(PHP) for company operations
  - c. Ionic / Angular frameworks for mobile solutions to Android and iOS

## Work History

### **Freelance** | Full Stack Developer | January 2006 – Present

- Consult with clients to discover their project requirements
- Produce websites and WordPress instances for business exposure
- Research and plan development roadmaps
- Test, deliver and maintain solutions tailored to the project needs

### **Progressor Solutions** | Founder | March 2016 – Present

- Discover new projects through online marketing
- Develop tailored solutions using technologies that work best for the problem or idea
- Produce websites and landing pages for business exposure
- Design database models for data intensive applications

### **Infrared Cameras – Client** | Software Engineer | October 2017 – January 2018

- Developed classes using libUSB to stream video from enterprise cameras
- Debugged embedded Linux to fix glitches with the drone and camera
- Improved performance of the drone camera stream
- Designed web user interface to easily control the drones within the local area network

### **Cookie Company – Client** | Full Stack Developer | June 2016 – September 2017

- Enhanced the workflow for the team of developers through SCRUM methodology and GIT
- Developed a mobile application for the delivery drivers
- Added internal mechanisms to smoothen the company operations
- Debugged any issues that appeared within the company internal system

### **BluBoard – Client** | Full Stack Developer | December 2015 – June 2016

- Integrated an embedded Linux to control the sign processes
- Designed and developed an API for the user management control panel
- Consulted with pilot clients for new features and integrations
- Debugged and optimized the embedded system and web portal as needed

### **Quantum Trading Technologies** | Software Developer | February 2015 – October 2015

- Designed and developed API's for new stock trading tools
- Developed HTML emails for product marketing
- Maintained 7 stock trading tools that were previously developed
- Helped release and market 1 new stock trading product

### **The Refinery Source** | Web Developer | April 2013 – February 2015

- Developed WordPress instances for new clients looking for online exposure
- Edited WordPress plugins to meet the project needs
- Integrated company processes into Salesforce organizations
- Trained new employees to get familiar with The Refinery Source operations