## **John Madrigal**

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## **SUMMARY**

Beautiful, clean, story like code. Anything can function well, but well documented and easy to follow code is sometimes hard to come by. I’ve come through many different opportunities to end up with the knowledge and excellent experience over the years. I specialize in engineering web applications and have interest in the design and security in web applications. I am now aspiring to find a great team to settle down with.

* 6+ years of software development experience in developing Client/Server, Internet & intranet applications using PHP, OOP, LAMP Stack Servers, Restful API’s, HTML4&5, XML, JavaScript, JSON, AJAX, jQuery, Prototype, CSS, and SASS.
* Extensive knowledge of Object Oriented Analysis/ Design (OOD) and various design patterns.
* Experience in architecture, design & development of small business web applications, documentation of user requirements, and architectural specifications.
* Experience in a fast-paced Agile / Scrum environment
* Conceptualized and developed modules for javascript and laravel.
* Great Interpersonal Skills and the ability to talk to sales without words going over their head, as well as being able to convert sales talk to development tasks and explaining their needs.
* Developed and consumed web services using PHP using the protocols such as RESTful.
* Excellent knowledge of different OOP languages and MVC Frameworks like PHP, Laravel 4.2/5.1, CodeIgniter, CakePHP, Drupal, Joomla.

**TECHNICAL SKILLS**

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| **LAMP Stack Technology:** | PHP, Apache, Composer, Artisan, Javascript, JSON, AJAX, ES6, CSS3+, SASS, XML, HTML5, Web services, OOP, Bash / Shell Scripting |
| **Databases:** | MySQL, Informix, SQL Lite |
| **MVC Frameworks:** | Laravel 4.2 / 5.1, CodeIgniter 3+, Expression Engine, Drupal, Wordpress, Zen Cart, Magento, BladeScript |
| **Programming Languages:** | PHP, Perl, Python, Javascript, C, C#, Java, AS3 |
| **Other Tools:** | Webstorm, PHPStorm, Sublime Text 2, Notepad++, **Atom**, Git, Mercurial, Agile Scrum Environment, Netbeans |
| **Operating Systems:** | Windows 8/7/XP/2008, Windows 2008 Server, Linux Ubuntu Server, Linux CentOS Server, AWS EC2, DigitalOcean, Linode, Linux Ubuntu |

## **PROFESSIONAL EXPERIENCE**

**Tap Publishing Company (weatherTAP.com) 09/2016 – 06/2017**

Software Engineer

Crossville, TN

Summary of Project/Application: Was part of the weatherTAP team at the Cosby Harrison Company, formerly known as Tap Publishing Co., which worked on the website weatherTAP.com. This website gives you real-time radar data almost 5 minutes before most radar will, severe thunderstorm real-time alerts, and real-time lightning which shows you where lightning has struck recently, and predictive pattern recognition.

* Designed and developed on BladeScript, I worked on the account page, which consist of dealing with payment gateways, handling transactions, upgrading account packages, updating user information, and managing child users.
* The account page as developed heavily on javascript and jQuery, using PERL as the backend. It handles ajax requests fluidly and uses promises to wait on certain ajax requests.
* Started to design a C / Python program to read incoming NetCDF data and output that data as images.
* Technologies Utilized: Perl, CSS3+, HTML5, Javascript / jQuery, GIT, Apache, Informix, Bash / Shell Scripting, Ubuntu, C.

**Don Kelly Consulting 12/2015 – 04/2014**

IT Consultant / Linux Admin / PHP Developer

Brentwood, TN

Summary of Project/Application: Working part time as an IT consultant / Web Developer for Pacesetters. Doing work such as cloning machines, managing admin tasks such as updating machines, networking issues, and bug / hardware fixing. Also working as php full stack developer, and server admin by maintaining their Ubuntu servers, cron scripts, and web sites.

* Technologies Utilized: PHP, CSS3+, HTML5, Apache, MySQL, Bash / Shell Scripting, Squid Proxy.

**Relatient 04/2014 – 11/2015**

Senior PHP Full Stack Developer

Cookeville, TN

Summary of Project/Application: Relatient Web Portal is a complex and easy to use Web application. It is mainly used as a smart eLert and demand messaging system for practitioners and clinics to keep relationships with their patients.

* Designed and developed in Laravel on a Bootstrap framework, with scalable features. Built with an incredible javascript core and RESTful API.
* It is designed with a custom javascript core framework to make it easily able to setup forms and pages on the fly. The application allows users to schedule eLert messages to go out through voice / text / email and allows Providers to quickly send Demand messages when they need to get in contact with their patients right away.
* Designed and developed in bootstrap, it scales to practically any media platform such as desktop computers, all the way down to small resolution phones with no problems.
* Designed and developed the MDPay (Payment Management Form) which allows a Provider to request payments from patients very quickly using a Base64 hash, and an encrypted and secure payment form.
* Application is used by several different clinics to manage their messaging systems and to help keep the relationship with the patient. The platform was written with secure intentions for use of HIPPA requirements and for use of the Department of Defense.
* Technologies Utilized: Prototype, jQuery, PHP, SASS, CSS3+, Bootstrap, HTML5

**MadrigalDesign / Freelance 04/2012 – 07/2012**

Owner / Consultant / PHP Full Stack Developer

Cookeville, TN

Summary of Project/Work: During this time I relocated to Cookeville, TN and could not find development work right away. So besides holding part time job(s), I did a good amount of freelance development, web administration, and IT Consulting work for companies such like Guns and More, LLC. I developed and setup Zen Cart for their gun shop while writing and maintaining their website, servers, and payment gateways. I also wrote python and php scripts to handle daily cron tasks and in my free time I took advantage of learning new technologies such as Node.js, Advanced Python with Flask, and Express.js with Jade.

* Technologies Utilized: Javascript, jQuery, PHP, CSS3+, HTML5, LAMP Stack, Python, Zen Cart / Zend Framework, Ubuntu Servers, Bash / Shell Scripting.

**US Imprints 04/2012 – 07/2012**

PHP Full Stack Developer

Brentwood, TN

Summary of Project/Application: Worked with Magento to setup a product feed for a custom based shop. Built PHP scripts to manage the ASI Feed daily and import the products into a Magento E-Commerce website, filtering and parsing through products based on favorites, most bought, and well rated products.

* Technologies Utilized: Javascript, jQuery, PHP, CSS3+, HTML5, Magento

**Fettergroup, LLC 02/2011 – 03/2012**

PHP Full Stack Developer

Lousville, KY

Summary of Project/Application: Smart-Dox is a web service built on CodeIgniter, and a custom Model design. It was used by Anthem to generate documents, proposals, birthday cards, etc. using variable data to generate PDF’s on the fly to order and print.

* Developed in a SCRUM agile environment with a corporate sized team.
* Developed custom libraries in CodeIgniter to handle validation, form control, and cart control.
* Managed the repositories in Mercurial (Tortoise HG).
* Technologies Utilized: Javascript, jQuery, PHP, CSS3+, HTML5, CodeIgniter

**Hitcents 07/2010 – 12/2010**

PHP / Drupal Developer

Bowling Green, KY

Summary of Project/Application: Developing web presences and e-commerce platforms for companies and colleges such as Western Kentucky University and Doodlekins in a Drupal OOP based environment.

* Developing custom hooks and custom templates for several companies for Drupal.
* Technologies Utilized: Javascript, jQuery, PHP, CSS3+, HTML5, Drupal, Drush

**Shutterbug Photomall 07/2008 – 06/2010**

PHP Developer

Bowling Green, KY

Summary of Projects: Developing a web presences and task management system in CodeIgniter for intranet use. It was used to keep tasks, and projects organized between sales, graphic designers, and programmers. Also, developed their studio website in flash using AS3.

* Technologies Utilized: Javascript, jQuery, PHP, CSS3+, HTML5, CodeIgniter, Flash, AS3

## **CERTIFICATES**

Gold Sales Gold Award for working 75+ hours, every week for 12 weeks.

## **EDUCATION**

**Florida College**  
Computer Technology  
2004 – 2005

**Western Kentucky University**  
Computer Science (3 Years Finished)  
2005 - 2008