Chris Maggiulli
Software Engineer

(518) 859 8588 | cmaggiulli@gmail.com

ABOUT ME?

My name is Chris and I am a software developer from the capital district and greater NYC area. I am a developer both as a profession and a hobbyist. I have

EDUCATION

Conferred

Bachelor's degree, **Computer Science**
University at Albany, SUNY

EXPERIENCE

October 2015 – present

Java Developer, **Senior**
Latham International

I was hired as a **Java developer** for Latham to work on their **eCommerce** and **enterprise portal** applications and have since assumed the **senior position**. I was onboarded during a ramp up period at Latham and immensely deepened my **Java ecosystem skillset**. I quickly became an active **contributor** on our team, developing **JSR-286 portlets** and writing Java for our eCommerce platform (**Hybris** platform) utilizing core **Spring** components. I actively work on **RabbitMQ** and just finished mocking MQ consumers and producers in **Spring Boot** for **unit testing**. I have a working knowledge of Spring's **MVC and IoC** components in Hybris and **Liferays** wide array of portlets from Spring, Liferay, **Vaadlin**, and **Richfaces**. I am actively involved in rewriting our codebase for a portal upgrade and cloud migration to **Rackspace** – utilizing knowledge of **AWS** (**EC2**, **Beanstalk**, **S2**, etc.) to contribute when possible (I am actively learning Rackspace's **Openstack**). I have also become increasing involved with or interested in the dev/ops crossover with ranging experience in **Solr** (for Liferay), **Jenkins** deployments, **SVNKit** SDK and tooling, build and dependency tooling with **Maven** and ANT **Ivy**, **Tomat** and Pivotal's **TCServer**, etc. As a senior developer, I **mentor** Junior developers, **onboard** new hires, attempt to **estimate** projects, research **new tech**, and interface with Latham executives, department leads, and other stakeholders.

I have increased my development skills and related knowledge of **OOAD**, **RESTful** services, **ORM**, message queues, **cloud** services, etc. I work with **groovy, beanshell, ColdFusion,** etc. I have become increasing confident configuring everything from Subversion to Tomcat in **RedHat** Linux and learn more each day. I work with project management tools such as **versionOne** and contribute to, and often lead, **standups**, war rooms, and other **agile** functions. Additionally, I run the **coding interviews** at Latham for Java candidates and make *recommendations* for, and against, candidates based on demonstrated skill. I am pressuring Latham to adopt **Atlassian** tools.

June 2013 – May 2014

Information Technology, **Consultant**
NYS OITS

I worked for NYS OITS during an **enterprise IT merger** and mandatory statewide operating system upgrading. I worked on a wide range of technical issues related to the merger and upgrade. My project and operational work included implementing **SCCM** for software and **systems management** (**COTS software releases**, malicious software detection, etc.), **writing scripts** and **regular expressions** to **automate** task, and working with state IT **vendors**. Additionally, my team was the first to adapt **large scale enterprise solutions** for **ticketing** and **SLDC** management, **retiring legacy** systems in the process. I also provided **end user** support as the go-to 'tech guy" for AGS cluster employees - increasing relations between OITS and the agencies they serve with excellent success and many happy employees!

August 2010 – July 2011

Java Developer, **Intern**
NYSED

I worked as an intern **Java developer** for NYS Education Department and contributed primarily to a project called TICS. TICS was a time tracking and payroll solution built with **Java EE**, **Struts2**, and **PL/SQL** code. At NYSED I wrote stored procedures and **PL/SQL** to expand the tracking and reporting modules. Additionally, I completely rewrote the frontend with Struts2, **EL**, **CSS**, and **JQuery** plugins. I wrote code to expand the **single sign on** module using **LDAP** and **JDNI** and helped commit the code into a **SVN** repository. Additionally, I became experience using **TOAD** with an **Oracle 10g** database and configuring TortoiseSVN and **OC4J** application containers for local and **dev environments.** I began to acquire knowledge of **SSH, SFTP**, and other application level protocols and how to work inside a **Linux** box. I was introduced to **wiki** documentation (**Confluence**) for developers, **Software Requirement Specifications,** and different **methodologies.**

PERSONAL **PROJECTS**

BIRDHOUSE

Birdhouse is a project I began working on recently after becoming more aware of frontend tools such as Chrome/Canary dev tools. Birdhouse is a light weight tool designed to act as source control for your 'not' frontend code. In other words, Birdhouse is a place to make and track persistent changes to your front-end code (or anyone's) without making those changes to your code base. For testing, experimenting, or the like. Looking for other developers who are interested in collaborating on this free, open source developer tool.

FREELANCE

FREE **LANCE?**

I take on freelance work sporadically. When employed full time I only take projects with the blessing and approval of my employer. I have found most of my contracts either through word of mouth, or by contacting them with a fix to an issue they didn't know they had.

OTHER **STUFF?**

Recently was one of forty-nine to be picked for and participate in a study conducted back Stack Overflow regarding the what makes developers work where they do.

Winter 2017

Global Market Research
Java SE Desktop Developer
I was contracted by GMR to work on their in-house, thread safe, **Java SE desktop application** used to graph **global financial market** trends. The applications most current source code was lost by previous developers and I was hired to restore functionality, resolve bugs and complete new tasks. I used **JD-Core** and **FernFlower** to **decompile** the most recent Jars, and TortoiseSVN to diff the results against an earlier **branch**, then **merged** and **resolved** all conflicts. I developed a new configuration module with an extendable **factory design** which is both **single purpose** and **reusable**, and extended **Berkley's Ptolemy II** graphing library to include a toggle button for data point labels. For bug fixes I resolved a trigonometric miscalculation causing the graph to be incorrect, and using the **JVisualVM** profiler fixed a **critical memory leak.** I provided software compliance and licensing consultations and product guidance for **BitBucket** and **launch4j**.

Spring 2016

ARE Event Productions
Web Application Pen Tester
I was contracted by ARE Productions (a sporting event company associated with Nike) to provide **offensive security** and **remediation** services for their primary web application. I used **SQL Map**, **XSSER**, and **Burp** Suite to **black box pen test** their application. I worked with the ARE developer to **remediation** these vulnerabilities by providing **secure code** examples.

Summer 2015

HRP Associates
Senior SQL Developer
I was contracted as **a Senior SQL Developer** to work on a NYS DOCCS contract held by HRP Associates. HRP monitors **environmental compliance** for all NYS prisons and uses **MSSQL** and **VBA** for reporting and analysis. I was tasked with fixing several broken **reports**. I worked with a **civil engineer** at HRP to learn the necessary equations used in the reports and spotted and issue with their time keeping functionality that caused the reports to be incorrect.

Winter 2014

IBM
Usability and Workflow Analyst
I was contracted by **IBM** as a Usability and Workflow Analyst to remotely access, install, and configure a new version of IBM's **Datacap Taskmaster** - an **OCR** and data capture application with an associated **SDK**. I worked remotely with a team of **IBM engineers** in Costa Mesa and other Usability Analysts on this project.   I attended short **stand ups** and phone conferences with the team to discuss the software and to provide feedback. The actual **configuration** and **administration** was done individually on **Windows Server 2012**. The position was to **analyze** Datacap Taskmasters workflow and to recognize and offer remedies for pain points. The position also required me to analyze IBM's technical documentations and provide similar reports.

Winter 2014

Relaxsonic Gongs
LAMP Developer
 I as hired to build a promotional game that allowed players to win music event tickets while increasing website and social media traffic. The game was a modified crossword puzzle which featured an NxN **matrix** populated with opaque red cells, and a "key" section containing musical terms. When clicked, each cell would prompt a player for an email and a code. The codes were released in bulk on specified days. A player wins by completing a "key" word. I wrote the front end using **CSS3** style and used several **FLOSS JQuery** effect modules. The backend was **OO PHP5** with **MySQL**, **Apache HTTP**, and **Linux**. The owners had special consideration for security as their last promotion was hacked causing lost revenue. I implemented security by running a fully patched web server, database, and PHP install. I used **PDO's** with **Prepared Statements** for all queries to guard against **SQL injections**. I sanitized input and enforced backend **length restrictions** to guard against **XSS** and **buffer overflow** attacks. I verified **iptables** with the host and locked all unnecessary ports down. The server used strict origin and mixed **content security policies**. I used **tokens** to guard against **CSRF**. HtAccess used against **directory traversal.** I wrote a separate solution to generate the codes, and made it mostly automated to limit internal compromise.