

ABOUT ME?

My name is Chris and I am a software developer from the capital district and greater NYC area. I am a craftsman developer and take pride in the code I produce. I am interested in everything STEM

Chris Maggiulli

Software Engineer

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EDUCATION

Conferred

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

EXPERIENCE

November 2016 – present

Software Engineer (Java), **Senior, Lead**
Latham International Holdings, Inc.

I assumed the senior lead Java developer position for Latham, North America's largest pool product manufacturer, in November 2016. As both the senior engineer and team lead I mentor a team of 6 developers, designing high level system architectures, and write clean and well-engineered code (technical skillset in subsequent job description).

As a member of Latham's IT Leadership team I interface with department leads from Customer Service, Design Engineering, Order Entry, and Manufacturing to define project scopes, gather requirements, and analyze and design high level system architectures. Additionally, I work with IT Business Analysts to draft Agile sprints, stories, and tasks. I lead daily standups, war rooms, and other collaborative efforts in an effort to create a cohesive and successful environment.

I am an active code contributor on many Latham projects, and a service matter expert and open source contributor on Latham's most used Java platform (Liferay). I work closely with Latham's Technical Operations Lead to expand devOps in the form of tooling and automation. I run whiteboard interviews for Java candidates and provide technical mentoring to junior and mid-level developers. I have taken an active role in migrating to and expanding Latham's usage of cloud services and infrastructure as code.

I have very strong objected oriented design and analysis skills (SOLID, GRASP, etc) and an intimate knowledge of object relational mapping, service oriented architecture, convention over configuration, and other software engineering principles. I am proficient in data structures and algorithms and have a solid foundational background in computer science.

October 2015 – present

Software Engineer (Java), **Mid-Level**
Latham International Holdings, Inc.

As a Java developer for Latham I work with junior and senior developers on a wide range of in-house development projects. I work mostly on our core Java systems including an enterprise Liferay portal, a message oriented middleware solution based on RabbitMQ, and an eCommerce application on the Hybris Platform.

I write JSR-286 portlets for our enterprise portal. I make extensive use of Hibernate for ORM, and work with Struts2, JSF, OSGI, or Spring frameworks. I have experience writing Velocity and FreeMaker templates for outbound emails and utilize Bootstrap and AlloyUI for front end development. Most of my web services are JSON based RESTful services but I also write WSDL2Java SOAP services with Axis2 for our legacy ERP system. I have experience writing Liferay specific components such as Hooks, Extensions, and Themes.

I work extensively on our Java based RabbitMQ message oriented middleware system. This program routes information from our various systems including our fax and SMTP servers, enterprise portal, eCommerce site, legacy ERP system, etc. The system works as a FIFO queue and runs Jar files as daemons and services. I recently wrote Sprint Boot unit tests for this system, and rewrote the fax consumer and several velocity templates, and was one of the original architects.

For our PCI Compliant eCommerce solution I work with a custom JPA implementation and make extensive use of Spring-WS, Spring Autowire notation, and Spring MVC. My work with this eCommerce system mostly involves integrating with our enterprise message bus.

Build automation for all of our systems is through Ivy or Maven, deployment automation with Jenkins, and version control with SVN. I have experience configuring EhCache, Solr, and ZooKeeper and performance tuning on MySQL. Additionally I have strong Linux skills, experience writing unit tests in JUnit, Apache servers and HTACCESS files, configuring Tomcat servers, writing Coldfusion, JSTL, C#, and using .NET.

PERSONAL PROJECTS

BIRDHOUSE

Birdhouse is a light weight tool designed to act as source control for *another's* front end code. Birdhouse extends Chrome Dev Tools, and allows for a small but useful version and source control to be used on websites that you may not own or have access to. The tool is mostly used for experimental purposes and is a way to help you build a layout of your own starting with a site design you see on the internet.

GREEN BLUE

Green Blue is a chrome extension that allows you to input your deployment environments (Local, Development, Test, UAT, Sage, Prod, etc) as categories and then apply the

November 2016 – present

Information Technology Specialist, **Consultant**

New York State Office of Information Technology Services

I was hired to a one year consultant position for NYS OITS during the statewide IT merger. I worked on a wide range of operational, development, support, and security issues.

My project work included implementing systems management system using SCCM (COTS software releases, malicious software detection, etc.), writing scripts and automating fixes for issues related to the mandatory OS upgrade, and troubleshooting and bug fixing on a legacy inventory database designed to work with a peripheral barcode scanner.

Additionally my team was the first to adapt large scale, statewide solutions related to ticket tracking and agile project management, authorization and authentication management, and virtualization and remote access. In the process our department helped retire several in-house Java based applications related to SDLC management and statewide tuition reimbursement.

I worked closely with the clusters Chief Information Officer, Chief Information Security Officer, Senior Database Administrator, and Senior Network Architect on a variety of tasks including a secure technical solution for communication within NYS Department of Correction facilities for visiting Chamber of Commerce attorneys. I also resolved security issue in our Oracle Middleware that exposed employee information.

October 2015 – present

Software Engineer (Java), **Intern**

New York State Education Department

As a software engineering intern for New York State I worked on a project called TICS – Timesheets for Interns and Consultants. TICS was a n-tier time tracking system for state contractors and interns. TICS was built using Struts and JDBC and sat on top of an Oracle 10g backend.

As an intern I helped develop single sign on (SSO) functionality. An NTLM service was already written to return retrieve a signature for a signed in domain user. From this service and using the LDAP API I was able to query active directory and either grant or deny permission to the application. Additionally I restructured much of the code including removing concatenated SQL in favor of prepared statements, removing in-line CSS in favor of external stylesheets, and creating server side form verification where only client side exists.

Additionally I developed a Javadoc, maintained a Wiki, and created a better branch structure in SVN.

F R E E L A N C E

October 2015 – present

I have worked on several freelance projects over many years. Outlined briefly below :

- **HRP Associates – Senior SQL Developer** : I was contracted to fix several broken SQL reports from an application build with Visual Basic and Access SQL. I was hired under a Department of Corrections contract and the software was used to track environmental compliance in New York State Prisons.
- **ARE Productions – Application Penetration Tester** : I was contracted to perform penetration tests against two web applications used by ARE Productions (a Nike partner). I found several vulnerabilities including unsanitized input allowing for SQL Injection, XSS vulnerability, CSRF vulnerability, Session Hijacking vulnerability, and a directory traversal issue.
- **Remington Restoration – Web Developer** : I developed a static, mobile friendly website based using CSS and Bootstrap 2 for a local construction company.
- **Global Market Research – Java SE Developer** : I worked on a Java Swing desktop application that plotted global market trends using Cornell's Ptolemy. I was tasked with turn the compiled bytecode into Java code because the original code was lost. I fixed several bugs including a critical memory leak. I also added new functionality including a properties file that controlled location, color, size, and font of copyright and other text. Additionally I built an on off toggle for datum labels.
- **Relaxsonic – Liferay Developer** : I built a gamified Java based Liferay portal complete with users with OpenID, roles, groups, message board, chat functionality, social media integration with OpenSocial, Facebook API, a point system, leader board, prizes, etc.

COMMUNITY

Winter 2017

Amazon Web Services

[RD5 and Lambda Usability Tester](#)

I am on the AWS Usability Researchers panel. The format varies by engagement but in general I walk through an AWS product and give my feedback on its usability. I first sat with a developer and walked through is RD5 prototype, and my second engagement I worked with a usability research to learn and use Lambda.

Winter 2017

Stack Overflow

[Developer Story Research Panel](#)

I was 1 of 49 participants in picked from Stack Overflows yearly developer overview to participate in an extended discussion about employment, recruitment, and employment applications. This discussion was then used as the basis for Stack Overflows new Developer Story module.

Winter 2016

Albany United Methodists

[Computer Lab Administrator](#)

I help maintain a computer lab that was set up by a GE outreach program at an after school program in Downtown Albany, New York. I was responsible for replacing a failing switch, implementing parental control on the world wide web, creating a limited user security group to be applied to all student accounts, installing adblocker plugins, and installing an anti virus software

