Chris Maggiulli
Software Engineer

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Awards

- [Oracle Excellence Award runner up](#)

Accounts

- [Stack Overflow](#)
- [GitHub / GIST](#)

Community

- AWS Usability Tester
- Oracle UX Customer Board chair
- StackOverflow Developer Story Usability tester
- Oracle Customer Connect Gold Partner

EDUCATION

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

EXPERIENCE

October 2017 – present

Software Architect, Enterprise Applications
Latham Pool Products, Inc.

I am currently the software architect for North America's largest pool product manufacturer. I manage a team of 5 direct reports ranging from junior engineers to lead engineers. Although I am in a management position, 50% of my time is spent on research and development, implementing complex stories, and analyzing business processes. I have been in this position for just over a year and my team has implemented (among others)

- A RESTful API built on Spring Boot 5 used to gather consumer lead information. The was deployed to ECS and Fargate for application containerization
- An Android application built using Groovy, RequireJS, and Oracle VB Cloud Service for Zebra TC25 barcode scanner running Android. The application was deployed as a WebAPK
- An enterprise Credit, Claims, and Warranty system using Oracle Integration Cloud that integrates with over 15 systems including SugarCRM, iSeries ERP, DB2, an internal ColdFusion application, etc.

October 2016 – 2017

Lead Software Engineer
Latham Pool Products, Inc.

I have developed and lead a variety of projects for the business including the continued development of a Liferay portal with several portlets and extension modules, an enterprise message bus for inter-process and outgoing communication, a business-to-business eCommerce and customer management application, a custom product configurator, two legacy order entry systems, an IoT solution for automatic safety covers, and several other smaller applications.

In addition to the work I did for the enterprise I also lead the development and implementation of the following internal IT initiatives which have been especially interesting.

- An automated Jenkins CI/CD deployment pipeline with build automation, New Relic deployment monitoring, SCP integration, and post deployment scripting.
- An internal Maven repository and build automation for our MQ applications
- JRebel build automation which is on track to save $130,000 in its first year
- A wide variety of BeanShell, Groovy, Shell, and PowerShell automation scripts
- Implementing vagrant virtualization for complex local environments
- Lead the migration of one hundred RedHat Linux servers hosting Tomcat, MySQL, Apache2, etc. from our physical datacenter to Rackspace cloud.

In addition to the aforementioned projects and responsibilities I also conduct technical whiteboard interviews and manage our Subversion branching and merging strategies. I am currently working on bringing our custom CAD development in-house. I am also researching the possible applications of 3d printing in our manufacturing process and integration with our product configuration and eCommerce software.

October 2015 – 2016

Software Engineer
Latham Pool Products, Inc.

As a software engineer for Latham Pool Products I worked mostly on completing tasks and bugs assigned to me for our java based Liferay portal, our Java based Hybris eCommerce platform,

and our legacy ColdFusion 11 (running on Tomcat) platform. Some of the stories I wrote included

- Building a custom JSP tag for Liferay to show all action and their associative times for all requests. This tag could be added to a JSP page and show a graphical interface with the aforementioned information
- A password reset function for our application built on ColdFusion 11 application
- A custom Java Liferay hook that allowed us to bypass a core bug in the Liferay upgrade process before Liferay was able to fix the issue

October 2013 – 2015

Technologist, **Consultant**
New York State Office of Information Technology Services

As a consultant technologist for NYS Office of Information Technology Services (OITS) I provided technical contributions on a variety of projects related to a statewide merger which resulted in OITS acquiring 100,000 employees and 14 million users.

While employed by OITS I was housed at the Governor's Office of Employee relations where I worked on several implementation and upgrade projects involving Microsoft SCCM, Oracle Fusion Middleware, Coldfusion 11, and Citrix XenApp software
Specifically, I developed PowerShell scripts to automate software patching and desktop services in SCCM, upgrading several pieces of Oracle Fusion Middleware, design a secure communication solution, etc.

Additionally, I worked on an enterprise, statewide helpdesk merger. As part of this merger I wrote technical documents and workflow diagrams for the enterprise helpdesk to assist in troubleshooting custom GOER software. I also assisted in transferring GOER's user account management and Active Directory responsibilities to enterprise helpdesk personnel.

August 2010 – July 2012

Software Engineer, **Intern**
New York State Education Department

I held a Junior Software Engineer internship for New York State Department of Education where I worked on a time tracking software called Timesheets for Interns and Consultants abbreviated TICs. TIC's is an n-tier application built on top of an Oracle 10g database. While at NYSED I became familiar with a variety of Oracle technologies including TOAD, NetBeans, Oracle 10g, OC4J, PL/SQL, etc.

I contributed to the TICS projects in several ways including implementing a front end MVC framework using Struts, assisting with single sign on functionality using NTLM, wrote PL/SQL code for the back-end reporting modules, implemented subversion source and version control, and implemented ant build automation.

Additionally, I worked on a suite of scripts that automated the deployment process. Previously this process was manually done via an FTP server. I was in charge of keeping the projects Wiki updated, providing weekly updates to application stakeholders, working closely with analysts to gather business requirements, etc.

F R E E L A N C E

October 2014 – present

These are a sample of freelance projects I have worked on over the last three years.

- ## HRP Associates
  ### Senior SQL Developer
  I worked on revolving several reporting errors in a legacy reporting application used to track environmental compliance for New York State correctional facilities

- ## ARE Productions
  ### Web Application Penetration Tester
  I was contracted to perform blackbox penetration tests against several customer facing web applications used by a sporting event production company.

- ## Global Market Research
  ### Java SE Developer
  I was tasked with version controlling lost Java code by using an analytic bytecode decompiler for a foreign market's financial company. I also fixed several graphing errors, and built a mature package script that wrapped the applications Jar file into a Native Windows EXE wrapper