Zack Shank zpshank@gmail.com

zackshank.github.io

717-496-1123
512 Highland Drive, Edgewater MD

Skills

Languages:	Java, JavaScript, Groovy, Python, C/C++, HTML/CSS, SQL, C#
Database Tools:	Elasticsearch, MongoDB, MySQL, Microsoft SQL Server, SQLite
Web Server Tools:	Node.js, Spring, Grails, REST, Camel, Mule ESB, Apache Tomcat
Front End Tools:	Ext.js, Bootstrap, D3.js, jQuery, .NET
Tools:	Vim, IntelliJ, Eclipse, Spring Tool Suite, Android Studio
Other:	Unix/Linux, Dependency Management (NPM, Maven) Git, Salesforce.com Platform, GIMP, MS Office

Education

Bachelor of Computer Science, Shippensburg University – 2013

Professional Summary

A motivated software developer with professional experience and a background that includes:

- Experience in developing both front end and back end solutions, as well as implementing integrations between them
- Researching and Developing early solutions to provide resiliency to endpoints varying from bare metal hypervisors to cloud based networks
- Working with industry leaders such as Northrop Grumman, The Hershey Company, The Manitowoc Company and the United States Coast Guard Operations Systems Center to build brand new applications utilized by numerous employees
- I have gained knowledge in building user-friendly applications so that people with minimal technical skills can successfully use the applications.

Work Experience

April 2015 - Present

Northrop Grumman
Cyber Software Engineer II

At Northrop Grumman, I am currently lead technical developer of a team of 6 developers. My role is to oversee and participate in development on a platform that allows

users to retrieve records from a large set of data. The platform also employs different data visualization patterns to help the user further understand the data.

- The main technologies I work with are Javascript, Node.js, Ext.js, and Elasticsearch

I have also worked as a software developer on the Resilient Systems Lab (RSL) R&D group. I was the lead developer and architect for the Command and Control (C2) Solution on the RSL. My role was to oversee development on a platform that allows the user to see the status of all endpoints.

- The main technologies I worked with were web based using Java, Grails, Spring, and Camel Services
- I have built core networking solutions utilizing C libraries such as openssl, and libcurl
- I also built resilient solutions being used for embedded systems utilizing the CAN bus

January 2014 - April 2015

<u>The Hershey Company</u>
Software Developer, Web, Mobile and Integrations Development

At The Hershey Company, I was a developer on the Web, Mobile and Integrations Development Team. I architected, designed, and developed web and mobile applications that are used internally in the company.

- The main technologies that I utilized were mainly Java/Spring based with specializations in Groovy, Grails, Objective-C, Apex and Mule ESB.
- The web applications I developed were built with Grails. They needed to be scalable and responsive as the applications were utilized by thousands of Hershey employees on devices such as phones, tablets, and desktops. I used Bootstrap 3 to help support the responsive nature.
- I have architected the development and deployment Salesforce.com platform for The Hershey Company.
- I have also gained experience developing REST web services utilizing Mule ESB and Ratpack.
- All of our applications had a strong focus on UI/UX and I have been involved in helping create a new base for UI/UX in The Hershey Company.

July 2013 – December 2013

<u>Deloitte Consulting LLP</u>
Technology Consultant, Batch Operations, Developer (PHP)

At Deloitte, I was Batch lead of a three person team. We monitored and maintained all batch files running on Unisys Mainframes at the Department of Public Welfare in Harrisburg, PA.

- My primary tasks involved communicating with several applications teams to properly maintain thousands of batch files. I also monitored the mainframe and provided solutions to any issues that arise.
- The primary tools used were OpCon/xps and Attachmate Accessory Manager

- The work required a large scope since all money transactions for the DPW occur through batch files that we monitor. Our team communicated with numerous application teams as well as the DPW on a daily basis.
- Our team successfully assisted Deloitte and the Pennsylvania DPW with the Affordable Care Act deployment that went live on October 1, 2013. (Not to be confused with the Federal site)
- I also worked with a small development team of 5 people to build/maintain a PHP web application used by the Project Management Office.

June 2012 – December 2012

The Manitowoc Company
Intern, Applications Developer (.NET, SQL, Web)

My summer/winter project at The Manitowoc Company was to build merge three separate databases and applications into one web application that is used by the factory workers.
- This project required me to communicate with numerous factory workers to design a web application that they could easily understand and use. The application would allow the workers to input serial numbers and other information for different parts of a crane in the database.
- The tools I utilized were Visual Studio, SQL Server 2008, and Microsoft Access. The languages I used were C#, SQL, Visual Basic, JavaScript, XHTML, and CSS.
- As previously mentioned, the application worker is used by many of the company's factory workers and is also used in France.
- This project required excellent communication skills so I could understand exactly what the factory workers needed for the application.

June 2011 – August 2011

United States Coast Guard Operations Systems Center
Intern, Applications Developer (Java, JSF, Web)

My project at the USCG OSC was to develop a web application utilized by developers that would replace all command line interactions.
- This project required me to communicate with a team of developers at the USCG OSC to create a web application that would replace all of the command line interactions used by the developers.
- The tools I utilized were Eclipse, MySQL, Java Servlet Faces 2, Apache Tomcat, and Hibernate. The languages I used were Java, SQL, CSS, HTML, XHTML, and XML.
- This application was successfully deployed and is still being used and expanded by the development team.