

**Zack Shank** [zpshank@bigdumbsmile.com](mailto:zpshank@bigdumbsmile.com)  
[zackshank.github.io](https://zackshank.github.io)

717-496-1123  
1454 Orleans Court, Crofton MD 21114

## Skills

**Languages:** Java, Groovy, C/C++, JavaScript/jQuery, HTML/CSS, SQL, Android, Objective-C, C#, Apex

**Database Tools:** MongoDB, MySQL, GORM, Microsoft SQL Server, SQLite

**Web Server Tools:** Spring, Socket Programming, Grails, REST, Camel, Mule ESB, Apache Tomcat

**Front End Tools:** Bootstrap, D3.js, MS Access, .NET

**Tools:** IntelliJ, Eclipse, Spring Tool Suite, Android Studio

**Other:** Unix/Linux, Dependency Management (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:

- Researching and Developing early solutions to provide resiliency to endpoints varying from embedded systems to 64-bit operating systems
- Experience in developing both front end and back end solutions, as well as implementing integrations between them
- Working with industry leaders such as 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 currently work as a software developer on the Resilient Systems Lab (RSL) R&D group. I am the lead developer and architect for the Command and Control (C2) Solution on the RSL. My role is to oversee development on a platform that allows the user to oversee the status of all endpoints.

- The main technologies I work with are 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

The Hershey Company

**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.
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July 2013 – December 2013

Deloitte Consulting LLP

**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.
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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.
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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.