Josh J. Meyer

Contact Information
jjmeyer0@gmail.com

Computer Skills	<u>Languages:</u>	Java, Bash
	<u>Software:</u>	Git, IntelliJ IDEA
	<u>Other:</u>	Linux, Mac OS X, Spring, Guice, Maven, JUnit, JSON, XML, NiFi, Oozie, Hadoop, Docker, Kubernetes

Online

- github.com/jjmeyer0
- linkedin.com/in/jjmeyer0

Experience

Lead Software Engineer, March 2019 to Present
Target, Minneapolis, Minnesota

- Supported, maintained, and implemented features on internal ELT application and scheduling platform.
- Worked on a custom ELT application and scheduling platform that ran 80k jobs a day.
- Helped set direction of the custom ELT application and scheduling platform by creating and planning releases.
- Mentored and taught new team members the platform I worked on.
- Collaborated with other platform teams to ensure Target's internal platforms integrated with our platform to give our end users the best possible experience.
- Worked with other teams and platforms to advance the product to become a more widely used workload scheduler and orchestrator within the organization.

Senior Software Engineer, September 2017 to March 2018
Target, Minneapolis, Minnesota

- Instilled a proper software development lifecycle within the team.
- Broke monolithic application into smaller independently deployable applications.
- Enabled the platform to schedule jobs across platforms (Kubernetes and local server).
- Helped scale the scheduler to run 2.1 million jobs a month.
- Supported and enabled AutomationPortal, a custom built ELT and self service scheduling tool that served Target's Analysts, Data Engineers, and Data Scientists.

Senior Consultant, February 2016 to September 2017
Hortonworks, Minneapolis, Minnesota

- Worked as a professional services consultant.
- Worked for a large financial services company as a Hadoop Developer.
- Helped create and maintain a data orchestration tool that allowed a business user to ingest their data.
- The orchestration tool moved data from a local landing zone to HDFS and executed Hive scripts and applied Ranger policies to newly create tables, directories, and databases.
- Instilled a focus of unit testing. Helped increase unit test coverage by two times.
- Contributed to Apache NiFi.
- Contributed to Apache Metron.
- Created example code bases for common use cases. Specifically for Ranger, Hadoop, Pig, and Spark.

Software Engineer, September 2014 to January 2016
The Nerdery, Minneapolis, Minnesota
- Automated over 200 processes that used over 1000 data feeds using Apache Falcon and Oozie.
- Helped instill a maintainable and simple software development lifecycle within our group of developers.
- Assisted in automating processes that handled terabytes of data each day. The whole dataset was >2 petabytes.
- Developed and maintained a tool that would ingest data into HDFS on a user defined schedule.
- Created tools to help automate generation of 1200+ Falcon entities.
- Lead a team of three developers. This included prioritizing and delegating tasks to each of the developers.

Application Developer II, March 2013 to September 2014
Federal Home Loan Bank of Des Moines, Des Moines, Iowa
- Played a key role in designing, implementing, testing, and maintaining a 20+ million dollar project that took 2.5 years to complete.
- Created, designed, and maintained a common data format to allow different systems to communicate.
- Wrote integration software that allows systems to communicate in real time using ActiveMQ and Camel.
- Contributed to workflow and process changes for our deliveries to production (e.g., helped introduce some agile practices).
- Responsible for the maintenance and development of Federal Home Loan Bank of Des Moines' infrastructure and applications.

Application Developer I, January 2012 to March 2013
Federal Home Loan Bank of Des Moines, Des Moines, Iowa
- Refactored Federal Home Loan Bank of Des Moines' member facing web application. This enabled the development team to easily redesign and add new features.
- Helped create new processes for the development team (e.g., coding standards, code reviews, occasional pair programming).
- Worked on Core Banking System project. A project that will greatly improve the trade capture processes by replacing a 10+ year old systems.
- Created proof of concept applications for the Core Banking System project.
- Installed and maintained a Wiki site that allowed people to collaborate and share knowledge more easily.

Research Experience, May 2010 to December 2011
University of Iowa, Iowa City, Iowa
- Created and updated tools that allow the process of developing programming languages run more efficiently.
- Aided in the design and implementation of a meta-language that allows the user to create common functions.
- Attended weekly lectures that were lead by current University of Iowa graduate students.
- Assisted in creating a compiler for Blaise, a new research programming language, created by Professor Aaron Stump. Blaise is a functional programming language that requires explicit allocation/deallocation of memory.
- Maintained tools I aided in creating.

Education	**B.S. in Computer Science, May 2011**
	Minor in Art, May 2011
	University of Iowa, Iowa City, IA

Certifications

- Oracle Certified Associate, Java SE 7 Programmer
- HDP Certified Administrator
- HDP Certified Developer
- Professional Scrum Developer I

Open Source Contributions

- Apache Metron
- Apache NiFi