daniel**henneberger**

software engineer

contact

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languages

Java, JavaScript

interests

professional:
data analytics
data science
machine learning
web development
software engineering

personal:
hackathons
beer brewing
biohacking
number theory

experience

2015–Now   **Principal Software Engineer** - Addthis (**ORACLE**® Data Cloud)   Tysons Corner, Virginia

Developed a high volume, scalable big data analytic platform to gather insights from 15M domains and over 9 petabytes of data monthly. Built highly available and scalable REST web services in a containerized microservice environment. Worked in a fast paced agile environment with short release cycles. Built and managed at-scale big data pipelines that incorporate machine learning, probabilistic, and statistical algorithms. Built and managed large scale data science application including look-alike modeling systems, classification systems, and recommendation systems. 3-time hackathon winner for data visualization, microservice interaction tracing, and in-memory big data analytics. Regularly interfaced with engineering teams around the world and coordinated engineering work for broader Oracle Data Cloud. Converted a waterfall team to agile team.
technologies: java (dropwizard, rabbitmq, cassandra); data science (clustering, nlp, k-means, collaborative filtering, t-sne); infrastructure (hydra, spark, open tracing, kubernetes, docker, metrics, elasticsearch, kafka); javascript (react, es2017)

2014–2015   **Software Engineer** - Mesoscale Discovery   Gaithersburg, Maryland

Developed cloud-based laboratory management software, implemented data-driven procedures for automated reagent dispensing systems, and codified validated protocols for micro-plate test kits used in the biodefense, clinical, and life-science markets. Developed highly tested and documented software consistent with FDA regulated software systems.
technologies: java, rabbitmq, sql, aws (s3), xml, osgi

2011–2013   **Graduate Assistant** - Frostburg State University   Frostburg, Maryland

Assisted in teaching and held labs for the computer science department. Lectured, developed course material, and mentored students. Held consistent office hours and assisted the department with other duties. Led students in computer related extracurricular activities, including: computer security competitions, recruitment efforts, and other software projects.

2010–2011   **Applications Engineer** - Micropact   Herndon, Virginia

Developed the flagship business process management software for Department of Justice and the Internal Revenue Service in a proprietary java j2ee framework. Independently worked on-site and interfaced with clients. Held security clearances for DOJ & IRS.
technologies: java, sql, javascript, jquery, itext, spring

2008–2010   **Web Developer** - Concept C Marketing & Design   Frederick, Maryland

Developed, deployed, and maintained responsive websites using early web technologies such as php, bootstrap, jquery, and foundation.

education

Masters of Science: Computer Science   Frostburg State University, Maryland
Master's Thesis: Affine Convolutions for Font Classification
This thesis explored classifying font types using affine invariant convolutions.
Contributed to open source projects.
- 4.0/4.0 GPA
- Department Honors for academic excellence

Bachelor of Science: Computer Science   Frostburg State University, Maryland