

danielhenneberger

software engineer

contact

Eugene, OR 97402
United States

(240) 415-8436

jobs@danielhenneberger.com

languages

Java, Rust

interests

developer productivity
database development
machine learning
software engineering

experience

2018–2020 **Senior Engineer - CTO Office** - DataStax

Full Remote - San Francisco, CA

Worked under DataStax's Chief Technologist to rapidly prototype software for a new kind of data platform on top of the Cassandra Enterprise database stack that would enable enterprises to quickly operationalize their data. Functioned as the sole backend engineer for the SaaS platform until growing the team. Innovated a new type of NoSQL query optimizer, built foundational technology, and performed market research using value proposition design. Effectively communicated asynchronously with a distributed team.

2015–2018 **Principal Software Engineer** - Addthis (**ORACLE** Data Cloud) Tysons Corner, Virginia

Full stack software engineer for analytics and data science teams in ad-tech. Independently researched, evaluated, and implemented systems that leveraged emerging technology in machine learning and big data analytics. Specialized in natural language processing, high dimensional clustering algorithms, search, and analytics. Assisted development in a novel distributed database. Developed and maintained an analytics platform under an agile methodology. 4-time hackathon winner for nlp enhanced search, data visualization, microservice interaction tracing, and in-memory analytics.

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.

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 flagship java 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 directly with clients. Held security clearances for DOJ & IRS.

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