

I am a self motivated full stack software engineer that enjoys learning new technologies and processes in order to produce high-quality, fully tested, production-ready code. All challenges are welcome!

Technologies Used

- React, Redux, Flux, JQuery, Typescript / Javascript, CSS / SASS / CSS-in-JS
- Jest, Nightwatch, TestCafe, Cucumber, Pytest, Selenium
- NodeJS, Express, Python, Flask, C++
- Postgres, SOLR, SQLAlchemy, Redis
- Jenkins, Docker, Git, Webpack

Bloomberg LP

2016-Present

Maintained and developed two client facing, full stack, enterprise web applications built primarily using **ReactJS** and **Typescript**. **Enterprise Access Point (EAP)** allows clients to schedule custom datasets using an interactive workflow, search across a number of different resources using **SOLR**, download purchased datasets, and purchase new datasets. **Customer Service Center** allows users to manage their billing, reporting, create tickets, and other self service focused workflows.

Enterprise Access Point

- Maintained a client facing **linked data (JSON-LD) REST API** written in **python using Flask**.
- Built a dynamic **micro frontend framework** that enabled composing any number of frontend applications together allowing each application to be released independently and control it's own dependencies.
- Benchmarked React code to find code hot spots and optimized them for major performance improvements.
- Produced reports for stakeholders on accessibility benchmarks using Lighthouse, ESLint, and ReactAxe.
- Main technical contact for a high impact project responsible for coordinating with another engineering team, identifying and mitigating risks, and communicating to the UAT team.
- Mentored 3 colleagues to help decrease onboarding time.

Web Community

- Core contributor for an inner sourced **React component library** which involved building components by working closely with the UX team and other core contributors across the firm
- Presented two internal tech talks on internationalization and creating a maintainable code base using Typescript and React Hooks.

Customer Service Center

- Developed **Jenkins** pipelines that automated manual processes and workflows such as assigning developers to Pull Requests to decrease review time, run new lint rules against new code, and rerun end to end test on failures.
- Created Docker files and docker-compose files to allow testing code in CI and local environments more easily.
- Deployed **Selenium** grid to cloud computers to allow E2E tests to run in parallel on multiple browsers cutting E2E test time in half and increasing browser coverage.
- Built a system to manage runtime feature switches in Redis using git and deployed via Jenkins to allow developers to quickly see what switches are enabled and guard against production switches being changed without approval.

Technologies Used

- AngularJS (1.x), JQuery
- PHP, Symfony, Doctrine ORM

MCS Solutions

2015-2016

- Consolidated multiple JQuery script and style tags into AngularJS controllers and stylesheets.
- Developed interactive client workflows using **PHP Symfony** to serve data via AJAX by reading from a DB using **Doctrine ORM**.
- Created custom interactive charts by forking and modifying an AngularJS library built on top of D3.js.

Technologies Used

- Java, Microsoft PowerPoint

Teaching Assistant

2013-2015

- Responsible for teaching multiple **Java** labs consisting of between **20-30 students** each.
- Taught multiple lectures consisting of over **100 students**.
- Developed a real time 2D game engine in Java for students to create interactive programs to explore object oriented programming concepts.

Education

B.S. in Computer Science,
University at Buffalo
May 2016

Personal

- Over 100 hours volunteered planting trees, walking rehabilitated dogs, working in food pantries and more
- Over \$10,000 raised for the Leukemia & Lymphoma Society
- Contributed a small NodeJS enhancement during a NodeJS conference workshop