

# Matthew Shin

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## Experience

Hitachi Vantara

June 2017 - Present

### ***Software Engineer***

- Front end development of a web app for the company's cloud native object storage platform using React, Redux, Typescript, NodeJS, AWS SDK, and other third-party API's for storage metrics. Involved from scoping initial stories of highest priority from product owners since the first sprint to present day development with regular demonstrations of our progress to the team at the end of sprints.
- Contributed both as a developer and quality engineer in an agile team environment, supporting all product teams by improving automation framework infrastructure in Java, balancing load between development and quality depending on team needs, and exploring new technologies.
- Develop automation tests and quality plans for new product features. Implement new infrastructure as necessary to implement tests for thorough coverage of expected behavior.
- Maintain health of lab hardware with dev-ops for around the clock product builds and test suite runs.

TetraScience

June 2016 - August 2016

### ***Software Engineer Intern***

- End to end development of a web app for users to manage the company's database of supported lab instrument drivers using MongoDB, Express, Angular, and NodeJS. Provided immediate value for the developers to communicate up to date driver status to the sales team through the app.
- Researched serial communication capabilities of lab instruments for potential software integration.
- Tested the company's web app, mobile app, and lab instrument integration hardware with the QA team.
- Assisted in on-site customer visits setting up demos and testing product functionality in the field.

## Projects

### **S3 Console**

[github.com/mtshin/s3console\\_poc](https://github.com/mtshin/s3console_poc)

React app that provides a UI to perform S3 operations with objects stored in a bucket on an S3 server.

## **TetraScience Database**

[github.com/mtshin/tsdriverapp](https://github.com/mtshin/tsdriverapp)

Web app to view a database of drivers using MongoDB, Express, Angular, and NodeJS.

## **Just a T.A.D.**

[github.com/mtshin/sdp17webapp](https://github.com/mtshin/sdp17webapp)

Web app to store and export data received from a drone's image processing algorithm using MongoDB, Express, Angular, and NodeJS.

## **Skills**

### **Frontend**

React | Redux | HTML | CSS

### **Backend**

Javascript | Typescript | Java | NodeJS | SQL | NoSQL | PromQL | MongoDB | RESTful APIs

### **Extras**

Version Control (GitHub, GitLab) | Dev-Ops (Heroku, Netlify) | Gradle | LinuxOS (Fedora, Ubuntu)

## **Education**

### **University of Massachusetts Amherst**

September 2013 - May 2017

Bachelor of Science, Computer Systems Engineering

### **Udacity**

April 2019 - July 2019

Front End Development Nanodegree