

Matthew Shin

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Work 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. Managed shifting priorities from product owners with regular demonstrations of our progress to the team.
- Contributed as a developer and quality engineer in an agile team environment effectively balancing load between roles to promote feature ownership.
- Developed automation tests and quality plans for new product features. Implemented new infrastructure in Java for test execution for maintainable codebase and efficient runtime.
- Manage health of test suites and 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.
- Visited with customers on-site setting up demos and testing product functionality in the field.

Personal Projects

EMEF

emefschool.org

Fully responsive website built with Material UI & React for an educational non-profit company, EMEF (Evergreen Mission & Education Foundation).

S3 Console

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.

Recipe Search

github.com/mtshin/recipe-search

React app that utilizes the Spoonacular API to query for various ingredients and present matching recipes in an interactive and elegant UI.

Skills

Frontend

React | Redux | HTML | CSS

Backend

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

Extras

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

Education

University of Massachusetts Amherst

Bachelor of Science, Computer Systems Engineering
GPA: 3.123

September 2013 - May 2017

Udacity

Front End Development Nanodegree

April 2019 - July 2019