Matthew Shin

matthewtaesooshin.com · github.com/mtshin ·
linkedin.com/in/mtshin

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. 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.

Personal Projects

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

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.

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.

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
September 2013 - May 2017

Bachelor of Science, Computer Systems Engineering

Udacity
April 2019 - July 2019

Front End Development Nanodegree