

Mission Statement

Highly proficient and passionate software engineer, continually looking to deepen my understanding for front and back end technology and to design revolutionary technology. Currently seeking employment as a Software Engineer in an innovative company, with a collaborative culture.

Technical Skills (bold denotes current stack)

- Languages: **Javascript** | **Typescript** | **Python** | **HTML** | **CSS**
- Front-End: **Vue** | **Vue Composition API** | **Vue CLI** | **Vuex** | **React** | **jQuery**
- Back-End: **Flask** | **Django** | **Node.js** | **Express**
- Testing: **Jest** | **Supertest** | **Pytest** | **Jenkins** | **Vue Test Utils** | **Enzyme** | **Mocha**
- Deployment : **Docker** | **AWS** | **Serverless**
- Databases: **PostgreSQL** | **MongoDB** | **Redis**

Professional Experience

Neptune Financial

Software Engineer

San Francisco, California

September 2019 - April 2020

Newsletter Serverless Application

- Constructed **AWS Serverless** endpoint that automated Weekly Email Newsletter generation, decreasing generation time from hours to minutes
- Created **Vue** deal view page, with date filtration, that generated **HTML** newsletter or rich text snippets for **HubSpot** insertion
- Constructed deal snippet algorithm through functional programming practices that converted deal object into over 10 unique string snippet combinations
- Developed API endpoint that filtered deals from **PostgreSQL** database by internal and user filters
- Converted **MJML** email newsletter template into **HTML**, with inserted snippets, via **Handlebars**

Brand Profile Dashboard

- Developed 9 reusable **Vue** components that allowed key internal business users full CRUD operational control over 4 unique pages
- Applied **Vue Composition API** for better code organization and reusability
- Implemented strict **Typescript** on project to optimize for scalability and simplify debugging
- Created extensive **Jest** test suite, using **Vue Test Utils**, with over 85% coverage of statements, branches, functions, and lines

Pagination Mixin

- Created **Vue** pagination mixin that allowed user to save table filters, page, and items per page on 6 distinct pages
- Synced page, items per page, and selected filters between URL, **Vuex** state, and UI to allow user to enter parameters via UI or URL

Historical Deal Comparison MVP

- Leveraged **Vuetify** component library to create internal dashboard MVP for Historical Salesforce data under tight timeline of 1 week with filters by word search, max or min value, start and end date, and nested deal categories

Press Release Scraper

- Developed **Python** XML scraper that parsed out key attributes of press releases from rss feed and articles via **Beautiful Soup** into a **PostgreSQL** database

Ripple Foods

Associate Scientist

Berkeley, California

June 2017 -February 2019

Educational Background

Hack Reactor @ Galvanize

Advanced Software Engineering Immersive

San Francisco, CA

Graduated: 2019

Back End Software Engineer: TableBytes Project

- Utilized horizontal server scaling and **Redis** caching to reduce latency from 1780 ms to 32 ms and increase throughput from 17K to 27K rpm, under a load of 500 requests per second

Front End Software Engineer: CloudStay Project

- Developed **React.js** responsive UI, which displayed 9 different UI configurations in 2 distinct modes
- Implemented Service Oriented Architecture utilizing **Docker** and deployed project (proxy server, individual components, and databases) on to **EC2**

University of Colorado, Boulder

B.S in Chemical Engineering & Minor in Computer Science

Boulder, CO

Graduated: 2015

Patents

Cowperthwaite, Sutton. Kizer, Lance. Renninger, Neil. Schelle, Michael. 2019. "Compressible non-dairy cheese analogs, formulations and processes for making same." WO 2019133679A2. 2019 July 04.