

Experience

RevolutionEHR: Full Stack Software Developer

Sep. 2019 - April 2020

(Remote)

- ❑ Delivered screens and enhancements within the core application's EMR and Patient Information modules during an ongoing porting effort. The product, RevolutionEHR, is a practice management and EMR SaaS for Optometry/Ophthalmology practices. The area I was most involved in was the realm of patient encounters (in-person exams):
 - ❑ **Encounter Header Widgets** (Interview Linking, Set Exam Provider, Print Encounter Summary), **Medical Coding of Performed Services**, **Patient Reason for Visit** screen, **Patient Insurance Policies** screen(s), **Patient Contact Lens Rx History** screen
- ❑ Learned the importance of thinking of state management solutions early. Leveraged **NgRx** to preserve stateful behavior that was present in the legacy application.

BNY Mellon: Full Stack Software Developer

May 2018 - Sep. 2019

(Pittsburgh, PA)

- ❑ Authored two Java microservices for the Global Cash & Custody Services department (GCCS) on the bank's internal & proprietary Cloud Platform as a Service. The services are responsible for reporting metadata of financial transaction vouchers as seen by the systems that the vouchers are expected to pass through.
- ❑ Developed a generic web services testing engine for GCCS. The engine hosts a series of REST POST endpoints that, once invoked, make calls against web service resources (REST and SOAP) on a team's behalf, and validates the responses.
- ❑ Supported an architect within the Corporate Treasury (CT) department on a new internal web application. The tool empowers users to query various SQL-based data sources from a web client, acting as an initial cut at an in-house BI tool for reporting on the bank's Assets and Liabilities. Added a scheduling UX to provide users with the ability to schedule recurrence of running specific queries against data sources they were entitled to. Published **ag-Grid** nesting capabilities if a user established a certain link between two query results, and introduced new **Highchart** chart types to query result pages.
- ❑ Whipped up a simple Angular 7 application quickly with two other developers to aggregate existing report data into Highchart and ag-Grid widgets. It served as a dashboard for Executive Leadership to use for summary views of the bank's Asset/Liability data during an audit by the Federal Reserve.
- ❑ Redesigned four core CT Asset/Liability management platforms into a single web UI using Invision Studio. Conducted surveys amongst five key user groups (executives, operations, liquidity reporting, finance reporting, and technical administrators) to best establish role-based user experiences.

Paychex (via Solu Technology Partners): Software Engineer

July 2016 - May 2018

(Rochester, NY)

- ❑ Helped create and maintain a new internal Angular 4 application with a Spring Boot back-end (JDK 1.8) used by operations personnel. Its purpose was to assist in migrating core client payroll data from a file-based MS-stack system to an Oracle instance whose legacy application layer was written in Java 1.6. The new application allowed users to validate and correct this data in various steps in the migration process. After helping scaffold the Angular application, I wrote screens that surrounded this validation functionality (**verify Workers' Comp, re-entry of bank account details, manually inspect local taxes, etc.**).
- ❑ Learned the importance of workflow methodologies, including Scrum/Agile. Regularly participated in story elaboration, sprint planning and backlog grooming sessions.
- ❑ Created a few small script applications in Java and Python to clean data and circumvent certain infrastructure limitations.

Projects

Roost

March 2020

(<https://roost.now.sh>)

During the earliest days of the United States' experience of the COVID-19 pandemic, I helped conceive and contribute to an application my friend wanted to make in order to help his favorite coffee shops in Hillcrest, SD, survive. **Roost** is a **React/Next.js** application that acts as a small portal for San Diegans to view and support their favorite small businesses. My personal next steps are to establish an internal API for being able to switch the targeted city based on user input, and begin leveraging a third party API (*Yelp/Google Places*) for aggregating small business information based on device location.

Technologies

	Languages	Frameworks
Proficient	Java, Typescript, JavaScript, SQL	Spring Boot, Angular
Comfortable	Python, Ruby, Go, Perl	React, Next.js, NativeScript, Flutter

Education

B.S.: Computer Science

Spring 2016

(University at Buffalo)