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Experience

Lovd: Software Developer   Dec 2021 - Feb 2022
(Remote)
- ❏ Wrote features for a new mobile application for buying and selling used goods online. Learned **React Native**, **GraphQL** (with **Prisma** and **TypegraphQL**) to do so.

Mercato: Software Developer   April 2020 - Dec 2021
(Remote/San Diego, CA)
- ❏ Owned, maintained, and upgraded Point of Sale integrations with *Merchant* sale listings to better help reconcile and regulate their inventory levels.
- ❏ Integrated various vendor APIs into an existing **Java 8** application layer to update the internal product catalog with new products, product updates, and new attribution data. Expanded the catalog count by 10%, and attribution fields by 70% in our central **MySQL** database.
- ❏ Delivered a new filtering and faceting UX for the *Merchant Shop Pages* to allow *Consumers* to filter product results by department and product attributes.
- ❏ Implemented the first product recommendations algorithm, to promote items that were most frequently bought with items presently in *Consumers*' carts, increasing average cart values by 10% within the first four months after launch.
- ❏ Integrated the first Customer Data Platform and Feature Flagging vendors used by the company to begin automating BI-based decisions and empower the product team with flagging/experimenting/segmenting product updates, respectively.
- ❏ Started a new **React/Next.js** application to act as the new consumer-facing Shop Home Pages for the web platform.
- ❏ Learned **Apache Struts 2, Apache Solr, AWS Redshift, AWS RDS** along the way.

RevolutionEHR: Full Stack Software Developer   Sep. 2019 - April 2020
(Remote)
- ❏ Assisted in porting the primary product, a SaaS web application for Optometry/ Ophthalmology practice management and electronic medical records (*EMR*), from Flex/Flash to **Angular 7**, leveraging **NgRx** for state management.
- ❏ Developed screens in Angular 7 for the application's *EMR* module. Subsequently, delivered the back-end services required by these screens in **Spring Boot** (**Java 8**) atop of a **MySQL 8** instance.

BNY Mellon: Full Stack Software Developer   May 2018 - Sep. 2019
(Pittsburgh, PA)
- ❏ Authored **Java 8** services responsible for reporting metadata behind financial transaction vouchers for the *Global Cash & Custody Services* department (*GCCS*). The solutions were soup-to-nuts: from publishing the repos, to configuring automated Jenkins builds, to finally deploying Docker instances on an internal cloud PaaS.
- ❏ Helped author a new Angular 6 web app for providing the *Corporate Treasury* (*CT*) department proprietary BI capabilities.
- ❏ Created an **Angular 7** application to aggregate existing report data and serve a dashboard for Executive Leadership to use for summary views of the bank's balance sheet data during an audit by the Federal Reserve. Modified & upgraded the back-end **C# .NET services** atop the underlying data warehouses that the app reported on (upgraded the runtimes from C# 4.0 to C# 6.0).

Paychex (via Solü 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 (**Java 8**) used by operations personnel to migrate client data from one back-end system to another.
- ❏ Learned the importance of workflow methodologies, including Scrum/Agile. Regularly participated in story elaboration, sprint planning and backlog grooming sessions.

Technologies

	Languages	Frameworks & Libs (Back-end)	Frameworks & Libs (Front-end)	Tools
Proficient	Java, Typescript, JavaScript, SQL	Spring Boot, GraphQL, Prisma	React, React Native, Angular, Next.js, Redux, Apollo Studio	Git, shells, Jenkins, Maven/Gradle, npm/yarn, AWS, GCP
Comfortable	Python, Ruby, Perl	Terraform, K8s	NativeScript (via Angular), Flutter	Zeit, Apache Solr

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 what we whipped up, and it's a *React*/*Next.js* application that acts as a small portal for San Diegans to view and support their favorite small businesses. If I were to revisit Roost development tomorrow, my personal next steps would be 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. Beyond that, I hope to introduce localization to the app, to ultimately allow users to toggle between English and Spanish with a single click or tap.

Education

B.S.: Computer Science   Spring 2016
(*University at Buffalo*, Buffalo NY*)*