Samantha Kopec   San Francisco, CA

Front End Developer   skopec25@gmail.com   github.com/Nadrioc

Committed Software Engineer passionate about front end development with experience in leading cross functional teams in a Fortune 500 company. I'm seeking a challenging yet supportive work environment with a company I can grow alongside. I take great pride in being a self-motivated quick learner with a passion for developing fantastic user experiences. When I'm not developing, I enjoy partaking in venturesome activities like backpacking across Spain.

Skills:

JavaScript | React | Vue | Angular | Node.JS | Ruby on Rails | HTML/CSS | Python | Flask

Work Experience

Black Arctic Studio San Francisco CA   Front End Developer (Nov 2019 - Present)
Digital Solutions

During my transition period to this new city, I have taken the opportunity to work with a team of familiar engineers to help develop an exciting new application and further expand my skillset.

- Lead design and development on the front end side of applications, including the design and development of **Froggy** from the ground up to production using the **React** framework
- Create and manage unit, integrative, and E2E testing with **Jest** to ensure code that is stable and predictable.
- Created and implemented Agile Scrum methodologies
- Utilize diverse analytical skills with user testing for all applications, ensuring we meet our standard of excellent user experience

Ameren Champaign IL   Software Engineer (2018 - 2019)
Fortune 500 Gas and Electric Utility Company

- Lead of the App Dev team at the Ameren Innovation Center (iCenter), responsible for hiring and onboarding a self-organizing, cross-functional team from a Top 5 CS university
- Created scalable and friendly code for hybrid and web applications from the ground-up to production using **TypeScript**, **Angular 8**, and **Ionic**
- Maintained successful and efficient builds in capital projects through the use of **Agile** and **Scrum** methodologies. Used **Jira** as **Github** as app management tools
- Created a process for data management and documentation in our code to ensure consistency, cleanliness and readability
- Successfully reduced O&M costs for the iCenter by 20% by working closely with various business lines and assessing the value of various projects for the iCenter
- Member of Ameren's IdeaHack Leadership Committee, a company-wide hackathon encouraging forming ideas into actual funded products

Weatherford International Champaign IL   Chemical Analyst (2016 - 2018)
Drilling Oil and Gas Wells Company

- Lead Analyst of the mass spectrometers (MS). Responsible for collecting hundreds of gas samples daily while returning highly valued results whose accuracy was of utmost importance
- Responsible for daily maintenance of 4 mass spectrometers, as well as diagnosing any issues they were having in accuracy of gas collection
- Kept a logbook of all samples collected and MS maintenance records, ensuring total visibility in all possible variables of data analysis
- Mentored and trained other analysts on how to use the mass spectrometers, as well as how to correctly calculate and import the collected data into our systems

Projects

Froggy: The Fantasy Football Assistant https://froggy.blackarctic.studio/
Browser application for customizing and tracking your fantasy ranking

- In charge of implementing **Jest** testing into the application with unit tests, integration tests, and end to end testing
- Singlehandedly built and designed the front end portion from the ground up with **TypeScript React**, following React principles for clean, scalable code and a pleasant user experience

- Created separate user stories for individuals with varying authorization levels. This required a more complex design and meshing of significantly different user flows and data structures to permit a seamless experience for the user.
- Utilized **Firebase's Realtime Database** and **Authentication** to store their player rankings, with custom security measures built for user privacy

MAT (Manhole Asset Tracking)
Hybrid web app for tracking underground utility maintenance in the St Louis Area

- Along with a team of talented designers, QA engineers and developers, planned, designed, and developed this capital app valued at $300K
- Deployed consistent and successful builds through **Agile** development and daily meetings with tracking through **Jira**
- Led the architecture and creation of the front end using **Angular 8 TypeScript** and the **Ionic** library
- Created the **ArcGis API** map functionality from the ground up for the app's main maps page
- Helped set up **AWS Appsync** with teammates and implemented **GraphQL** to allow realtime changes of manhole statuses without refreshing

CPOC (Corporate Project Oversight Committee)
Web portal used by PMs to Executives for any project at Ameren that is over $5 million

- Team leader of a cross-functional group of talented interns in this capital project valued at $300K
- Reverse engineered the existing legacy CPOC application to preserve backwards compatibility while improving code readability and scalability
- Built the dynamic **Angular 8 TypeScript** front end that displays an innovative, user-friendly UI
- Built the backend **Flask API** that accesses an already existing **Oracle SQL Database** through a highly secure network

Stretch https://v-strech.firebaseapp.com/
A stretching timer app to start your day

- Designed and implemented a unique and user-friendly **Vue** application for creating and executing custom stretching sessions
- Used **Firebase's Realtime Database** and **Authentication** to allow user to preserve their sessions, while also allowing guest logins for quick and easy access
- Designed and created the complex SVG stretch icons using **Affinity Designer** graphic design software

Education

Le Wagon - Coding Bootcamp Amsterdam NL   May 2018 - July 2018

University of Illinois at Urbana-Champaign Champaign IL   2012 - 2016
B.S. Honors Biology, B.S. Chemistry | GPA 3.7 / 4.0 | Merit Fellows Scholar, Dean's List, James Scholar