

# JOSEPH URSCHLER

Software Engineer

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## RELEVANT WORK EXPERIENCE

### Clever Counsel

Software Engineer

San Francisco, CA

May 2020 – June 2020

- Web platform that optimizes wage discrimination case-building for lawyers
- **Revamped documentation** over the backend and **enhanced testing coverage** over RESTful API routes by expanding coverage to all routes and models
- **Designed and built** secure password recovery feature consisting of several **React** components, **Flask** RESTful API endpoints, **Flask-Mail** for sending emails, **AWS (SES)** to serve emails, **itsdangerous** for token signing/ hashing/ validating, and a **MySQL** database

### Connor Group

Sr Consultant (Financial Ops, Digital Solutions)

San Francisco, CA

Sept 2019 – March 2020

- Deployed system integrations of applications such as NetSuite and Salesforce using **JavaScript** and **Boomi** to streamline business processes
- Led **business development** opportunities from initial fact gathering to pitching solutions

### Deloitte

Associate Product Manager (Audit Innovation)

San Francisco, CA

Oct 2017 – April 2018

- Worked with global practice leaders **to develop the firm's next gen audit platform**
- Led development of specific risk assessment features using **Agile** methodology
- Managed a team of 5 engineers while coordinating with cross-developing teams
- Created and maintained budget versus actual performance metrics using Excel and VBA to track and analyze queried Microsoft Visual Studio data over the entire project of more than 250 people and \$1 billion

## FEATURED PROJECTS

### Apartment Ranker (Solo) – [Github](#) | [Demo](#)

- Web application enabling quick comparison of apartments listed on Craigslist
- Users provide links to listings which are then displayed in descending order based on an aggregate ranking as calculated by the values assessed by the user for each listing
- Frontend built with **React** with **Redux** for state management, styled using **Sass**
- Backend built with **Flask** and **PostgreSQL**, utilizing **Selenium** to scrape relevant information about a listing from a user-provided Craigslist URL
- Backend is served through **Heroku** and frontend hosted using **Netlify**

### Microblog (Pair) – [Github](#) | [Demo](#)

- Blogging web application that enables users to post and comment on posts
- Built using **React** and **Redux** for robust state management in the frontend, and **Node/Express** and **PostgreSQL** in the backend

### Warbler (Pair) – [Github](#) | [Demo](#)

- Twitter clone that enables users to tweet and follow one another
- Built using a **Python Jinja**-supplied frontend, and **Flask** and **PostgreSQL** in the backend

## OTHER WORK EXPERIENCE

### Deloitte

Associate, Senior Associate, Senior (External Audit)

San Francisco, CA

Sept 2016 – Sept 2019

- Used a variety of tools and techniques to perform **qualitative and quantitative analyses** of financial statements to verify material accuracy
- Specialized in **growth advisory** with respect to accounting, financial forecasting, and revenue **strategies** for pre-IPO companies
- Collaborated in teams of four to twenty across financial services, technology, and retail industries to produce tangible solutions for complex enterprise needs
- Met with and **presented findings to client senior management**: CEOs, CFOs, etc.

## SKILLS

### Development Languages:

JavaScript, Python, Sass, CSS, HTML

### Frameworks & Libraries:

React, Redux, Node.js, Express, Flask, Selenium, Jest

### Databases & Deployment:

PostgreSQL, MySQL, AWS (SES, S3, EC2), Heroku, Netlify

## EDUCATION

### Rithm School

San Francisco, CA  
2020

Software Engineering Degree

### University of Missouri

Columbia, MO

Aug 2011 – May 2016

M.S. Accountancy

B.S. Accountancy

Excellence Award

Scholarship

Bright Flight Scholarship

ACT: 33 | GPA: 3.5/4

## OTHER PROJECTS

**Jobly (Pair)**: job application site built with a **React** frontend and **Node/Express** backend

### Fantasy Anything (Solo):

currently in development, application that provides ability to customize fantasy brackets or pools for sporting events or TV shows

## INTERESTS

Drone photography, snowboarding, hiking, reading, professional sports, movies, cooking