

# Sean Cotter

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Philadelphia, PA

[Portfolio](#) | [Linkedin](#) | [GitHub](#)

## Skills

React, Redux, JavaScript, Python, HTML5, CSS3, SQL, SQLAlchemy, PostgreSQL, Alembic, Sequelize, NodeJS, Flask, Git, Docker, AWS, Heroku, TDD, Mocha, Chai, OOP, Express

## Projects

### Vicariously

[live site](#) | [github](#)

React, Redux, Javascript, Sequelize, PostgreSQL, NodeJS, Express, CSS3, Google Maps API, React Calendar API

*Full stack solo project built in one week sprint, mimics airbnb functionality.*

- Utilized React and Redux to create a lightning fast and dynamic website, minimizing interactions with API's through Redux and load times with React's virtual DOM.
- Focused data management, utilizing Sequelize to make complex but efficient SQL queries to a PostgreSQL database through my Express JS API.
- Integrated Google Maps API with custom dropped pins for identifying rental locations on the map.
- Implemented validation logic with React Calendar that identifies reservations with overlapping dates and prevents double bookings.

### WorkDay

[live site](#) | [github](#)

React, Redux, Javascript, Sequelize, PostgreSQL, NodeJS, AWS, Express, CSS3

*An app for interconnectivity, communication and organization within communities for getting things done.*

- Created a seamless way for a user to search, apply, view or save jobs all within the same dropdown and manage within the jobs tab, including instructions if no tabs have yet been filled.
- Immense database structure outlining future updates and improvements with user roles within companies, customizable profile pages for companies and users as well as messaging through websockets.
- Used React useState hook to conditionally render every page of the app based on user selections.

### Anarchy

[live site](#) | [github](#)

React, Redux, Javascript, Python, SQLAlchemy, Alembic, Docker, PostgreSQL, Flask, AWS, CSS3

*A clone of the popular app [Discord](#).*

- Deployed on Heroku using Docker containers to model microservices, including a PeerJS server for video chat, Flask API server using Gunicorn/Gevent with websockets in production.
- Features websockets for friend updates, messages within servers and private messages.
- A true on page app, everything is rendered within a modal or utilizes React's useState hook to display conditional information.

## Experience

**Heavy Equipment Operator** | April 2019 - July 2021

Allan Myers

- Operated heavy machinery in large-scale civil construction for a long established, well respected company that serves the better part of the East Coast.
- Calculated, careful grading to save thousands on materials, upkeep and equipment repairs.
- Surveyed jobsite using Trimble GPS systems as well as manual calculations when satellite systems were not available.

## Education

**App Academy** | Fall 2021 | Online

Rigorous 1000-hour software development course with <3% acceptance rate

**Delaware County Community College** | Currently Enrolled | Delaware County, PA

Studying, AA Computer Science

**Drexel University** | Winter 2010 | Philadelphia, PA

2 years and 70 credits towards, BA of Science.