

SARAH JACOBS

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SOFTWARE ENGINEER

[Linkedin](#)

[Github](#)

[Portfolio](#)

QUALIFICATIONS

Frontend: React, Redux, HTML5, CSS3

Server: Flask, Express

Backend: Javascript, Node.js, Python, SQL, Sequelize, ORMs

Other Tools/Skills: Docker, Git

TECHNICAL EXPERIENCE & PROJECTS

StayAwhile (Python, SQLAlchemy, React / Redux, HTML5, AWS and CSS3)

[Live Site](#) | [Github](#)

A fullstack single-page reservation management site where users can log in as either a customer or staff and create and edit lodgings, bookings, invoices, and reviews.

- Created relational database using **SQLAlchemy** to manage reservation paperwork generated by guest users and handled by staff users.
- Integrated AWS S3 upload for photos to allow scalability by alleviating server load.
- Developed streamlined, customized feature list based on Lodge-ical to deliver a more intuitive and efficient user experience.

BarBand (Javascript, Express, React / Redux, HTML, CSS, Sequelize)

[Live Site](#) | [Github](#)

A fullstack single-page BandCamp clone where users can build album collections and post comments.

- Used raw **CSS** to implement a UI design based on BandCamp's webpage.
- Developed a flexible search algorithm in **JavaScript** to allow browsing by category.
- Persisted "collection" data throughout the site using **Redux** in order to dynamically render on individual pages.

ShowBoat (Javascript, Python, Flask, SQLAlchemy, React / Redux, CSS and AWS S3)

[Live Site](#) | [Github](#)

A fullstack single-page Flickr clone where users can post and edit photos and comments, and create and edit albums and tags.

- Designed a clean UI in raw **CSS** for the homepage that included an original **JavaScript** algorithm for time since post.
- Executed conditional rendering for photos vs. albums on the user profile page with **React** components to reproduce Flickr's user experience.
- Facilitated collaborative debugging sessions with the group, mediating frustrations and motivating the team through technical challenges.

EDUCATION

App Academy - Software Engineering

New York, NY , 2021

- 1000-hour full-stack web development program with <3% acceptance rate. Focus on Python, JavaScript, SQL, React, Redux, TDD, OOP, algorithms, and programming best practices.

University of Chicago - M.A. in the Humanities

Chicago, IL , 2012

Bard College at Simon's Rock - B.A. in Literary Studies

Great Barrington, MA , 2011

ADDITIONAL EXPERIENCE

Head Baker, Owner/Operator Various Locations

2013 - 2020

- Launched and operated a fully permitted baking company. Responsible for all permit applications, negotiations with landlords and market managers, bookkeeping and stock management.
- Built and managed the e-commerce platform first on SquareSpace, then migrated the domain to Shopify in 2020.
- Recipe development and daily production with no direct supervisor. Time management and production quotas were my own responsibility. Produced consistent results in a fast-paced, high-pressure environment.
- Responsibilities including customer service, meeting production quotas on a tight schedule, close attention to detail, collaborating and working on a team. Rapidly adjusted to new workflows on a regular basis.

ACD Distribution, Buyer Madison, WI

January 2013 - June 2014

- Managed inventory across 3 warehouses in **Sage database** and made purchases for a major US distribution company, minimizing overstock and missed sales with data-informed buying decisions.

Hyde Park Art Center, Database Management Intern Chicago, IL

September 2011 - July 2012

- Improved efficiency of fundraising outreach by maintaining and streamlining **Quickbooks** database of donations, class registrations, and other monetary transactions, and reorganizing and standardizing paper records.

Bard College at Simon's Rock Alumni Library, Interlibrary Loan Staff Great Barrington, MA

2007 - 2011

- Processed customer requests and located media through the WorldCAT database while maintaining internal records of loans.