

Sofia Katzman

[New York, NY] [[LinkedIn](#)] [[Github](#)] [[Blog](#)] [[Portfolio](#)]

SOFTWARE ENGINEER

Resilient Full-Stack Software Engineer with a diverse skill set spanning project management, design, and animation. Fluent in Python, JavaScript, React, HTML, and CSS. Experienced with Flask, SQL, SQLAlchemy, and Pygame frameworks. Eagerly seeking a front-end or back-end role in Software Development with a focus on collaborative teamwork and innovative solutions.

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, HTML, CSS

Frameworks & Tools: React, Flask, Tailwind, Git, SQLite, SQLAlchemy, PostgreSQL, Pygame

TECHNICAL PROJECTS

Milestones (Flask, React, PostgreSQL) - [Github](#) | [Demo](#)

An application that visually showcases and celebrates users' significant life achievements. Allows users to interact and connect while inspiring a supportive community.

- Integrated Websocket.io for users to receive live updates on new user milestones
- Utilized Flask-RESTful extension to build API and routes.
- Connected React front-end to Flask back-end and built out client-side single page rendering using react router
- Incorporated user authentication using Bcrypt and cookies to track user sessions

RecycleQuest (Ruby, React, PostgreSQL) - [Github](#) | [Demo](#) | [Live](#)

A gamified social platform aimed at increasing recycling knowledge and awareness, as well as creating a competitive and engaging environment to promote contributions. 'Girls in Tech: Hack for the Environment' hackathon entry.

- React front-end leverages useContext to handle user in-game activity
- Leverage conditional rendering css rules to build out browser-click-and-find-game
- Ruby backend on deployed Postgres Server (hosted by Render)
- Incorporated user authentication using Bcrypt and cookies to track user sessions

Bunny Walks (Flask, React, PostgreSQL, Sass) - [Github](#) | [Demo](#)

A library of common bunnies, walk paths, and keep track of which bunnies you see on your daily walks!

- Connected React front-end to Flask back-end and deployed through Render
- Interacted with deployed API to persist data to PostgreSQL database
- Full-stack application both mobile and web ready

Event Manager (Python, SQLAlchemy, & Alembic) - [Github](#) | [Demo](#)

Command Line Interface created to keep records of staff, events, and event staffing, utilizing a SQL database.

- Built and seeded a database using SQLAlchemy with many-to-many relationships and managed migrations using Alembic
- Wrote custom query methods to implement CRUD interactions with database

EXPERIENCE

Freelance

Full-Stack Software Engineer

New York, NY

2023 - Current

- Develop and implement responsive and user-friendly front-end interfaces using HTML, CSS, and JavaScript, ensuring optimal compatibility across different devices.
- Leverage back-end technologies including Node.js and Python to build robust and efficient server-side functionality, ensuring data integrity and security.

TTTMD Entertainment, LLC

Director of Operations and Design

New York, NY

2020 - current

- Managed a \$150k budget, resulting in \$705k profit for a collaborative event with Hudson Yards, The Edge, and Rhubarb.
- Led a month-long series of 15 events, generating \$1.3 million revenue, directly hiring and directing 75 staff members.
- Orchestrated a successful Circoloco halloween event with TekSupport, directing staff, and yielding \$500k revenue. Designed marketing material, managed \$5.9M gov. budget, completed 3 art shows generating over \$300k profit, and executed last-minute events with agility.

Intel Inc.

Operations Manager - Mobileye Division

New York, NY

2018 - 2020

- Managed a substantial \$2M inventory, achieving \$13M in sales and remarkably reducing quarterly freight costs by almost 80%, as a result of strategic data-driven collaboration with finance teams and vendors.
- Skillfully organized a \$50k annual sales conference, providing comprehensive training, workshops, and team-building activities for North American staff, fostering a productive and engaged work atmosphere.

EDUCATION

Flatiron School

Software Engineering Full-Stack Bootcamp

New York, NY

2023

Full Stack Web Development: JavaScript, React, Python, Flask, and SQL Curriculum