

# Sofia Katzman

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## SOFTWARE ENGINEER & DIGITAL DESIGNER

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Resilient Software Engineer and Digital Designer with an arsenal skill set including, full stack web development, figma design system development, ux/ui design, graphic design, 3D modeling and scripting. Previous experience in management, operations and logistics.

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### TECHNICAL SKILLS

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Languages: JavaScript, Python, Typescript, SQL, HTML, CSS, TailwindCSS

Frameworks & Tools: React, Flask, Tailwind, Git, SQLite, SQLAlchemy, PostgreSQL, Pygame, OAuth, EmailManager, AI Chatbot Integration

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### DESIGN SOFTWARE

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Adobe: AEM, Illustrator, Photoshop, InDesign, XD, Rush | Figma, FigJam | Procreate, Lunacy, Sketch, InVision

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### TECHNICAL PROJECTS

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**RecycleQuest (Ruby API, React, PostgreSQL, Render)** - [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

**EduGuide (Python, Flask API, React, PostgreSQL, ChatGPT Integration, Microphone Input)** - [Github](#) | [Presentation](#)

A video platform with an easy-to-access, voice-activated AI Chatbot that allows users to understand subjects on their terms. Integrated with ChatGPT, the application uses the user's microphone as text input. UI features large buttons to minimize mobility.

- Connected to an Chat GPT's API to create a chatbot
- Connected React front-end to Flask back-end and built out client-side single page rendering using react router

**Milestones (Flask API, 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

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### EXPERIENCE

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#### Scholastic Inc.

New York, NY

##### Digital Designer and Email Production

2023 - Current

- Build out marketing emails based on designer PSDs and secure proper approvals for deployment
- Code Adobe Scripts to create digital assets to automate repetitive tasks
- Create Figma asset libraries for different business units following the atomic design methodology
- Integrate new design system into Figma for Book Clubs and Book Fairs divisions
- Spec out design system and create supporting documentation
- Manage seasonal asset libraries and QC their usage across email and web platforms
- Templatize responsive design assets on Figma leveraging auto layout, components, variations and variables

#### Freelance

New York, NY

##### Full-Stack Software Engineer

2020 - Present

- 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.

##### Provocateur NY (luxury hospitality)

- Designed pitch decks for business prospects.
- Illustrated, animated and distributed digital marketing materials for live music events
- Planned and operated all music events and staff
- Conducted accounting and end of fiscal year services including budgets, employee pay stubs and tax preparation

##### Cafe Tucano

- Crafted a captivating logo that served as the cornerstone of all marketing and branding materials, design menus, and murals.
- Created three handmade mosaic installations, and installed them in place including lighting and painted a branded murals outdoors.
- Illustrated and distributed compelling event marketing materials to drive engagement and attendance.

##### Bae Tails

- Designed a marketing brochure that effectively communicates the services and offerings.
- Illustrated eye-catching business cards that leave a lasting impression on clients and prospects.
- Achieved a significant artistic milestone by designing and executing a magnificent three-story mural.
- Transformed the exterior facade and interior lobby through innovative interior design and painting techniques.

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### EDUCATION

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#### Flatiron School

New York, NY

Software Engineering Full-Stack Bootcamp

2023

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