# Joseph Szpigiel

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[LinkedIn](#) | [Github](#) | [Blog](#)

## SOFTWARE ENGINEER

Python with Flask and JavaScript-based programmer with a background working in the nonprofit sector as part of a cross-functional team implementing technical solutions. Known for communication and collaboration skills that help teams succeed. Trained 200+ non-technical staff on a proprietary CRM used to track program participation for 1000+ participants across the US and Canada. Demonstrates a passion for creative problem-solving to manage complex business needs.

## TECHNICAL PROJECTS

**Registr App (Solo Fullstack project)** - [Github](#)
*Create and join social groups and events in this event registration app*
- Wrote Python Flask backend using SQLAlchemy to communicate with a SQL database
- Built a React frontend using Chakra-UI  with React-Router to manage client-side routes
- Integrated Cloudinary for image uploading and storage

**DnD Character Creator CLI (Group Backend project)** - [Github](#)
*Create and store Dungeons and Dragons Characters and manage game players*
- Developed a Flask server using sqlite3 to communicate with a SQL database
- Built CLI with Python to interact with Flask server and allow users to create and manage users and character details
- Collaborated with two team partners using GitHub for version control

**DateCrafters (Group Fullstack project)**  - [Github](#)
*Find or add activities to create date nights for you and your partner*
- Built a React frontend with React-Router managing client-side routes
- Created a Flask backend using SQLAlchemy to communicate with a SQL database
- Styled using Semantic-UI React and additional CSS

## RELEVANT EXPERIENCE

**Software Engineer, WeVote**                                                                                      08/24 - Present
- Fix identified bugs and implement new features in either React.js and Django Python
- Write tests to verify the functionality of the WeVote system
- Report new bugs for fixing and record on Jira platform

**Director of Data and Systems, YACHAD**                                                                         09/21 - 08/23
- Coordinated business needs with our web team to enhance a participant tracking frontend
- Oversaw business use of technological needs for 10+ chapters across 3 countries
- Guided the development and launching of major updates to our data management system

**Assistant Director of Operations, YACHAD**                                                                     09/20 - 09/21
- Oversaw the department-wide transition of user data from a local storage drive to Microsoft Sharepoint
- Developed annual reports looking at the organizational impact on 1000+ participants
- Liaised with our IT department to update existing technology
- Bugtested and coordinated new features for data management systems

## TECHNICAL SKILLS

Python, Javascript, Flask, React, SQL, HTML, CSS, Git/Github, Microsoft Sharepoint, Object Oriented Programming, Test Driven Development

## EDUCATION AND CERTIFICATIONS

**Flatiron School -** Full Stack Web Development Certificate, Python with Flask and JavaScript program                    12/23

**Queens College** - Bachelor of Arts (BA) in Chemistry                                                                     06/21