



# Brooke Rose Baer

Software Engineer

Troy, NY  
+1 (610) 235-9727  
me@brookero.se  
https://brookero.se  
Pronouns: She/Her, Neopronouns

## Profiles

Brooke Baer  
LinkedIn

## Skills

### Javascript



### React.js



### Elixir



### Python



## Interests

### Development of Mobile Applications for iOS and Android

Technical

### Web Development, both front- and back-end

Technical

### Security and Privacy of User Data

Technical

## Languages

### English



## Summary

Highly skilled and motivated Front-End Software Engineer with 3 years of experience in designing, developing, and maintaining responsive web applications. Proficient in modern JavaScript frameworks such as React and Svelte, with a strong foundation in HTML, CSS, JavaScript, and Typescript. Adept at translating design concepts into efficient, user-friendly interfaces, optimizing performance, and ensuring cross-browser compatibility. Proven ability to collaborate effectively within multidisciplinary teams, offering innovative solutions while adhering to best coding practices and industry standards. Passionate about continuous learning and leveraging emerging technologies to deliver high-quality, scalable solutions that meet and exceed user expectations.

## Experience

### Politech

Front-End Engineer

<https://politech.io/>

Feb 2022 - Present

Remote

As a Software Engineer at Politech, I was a key part of the development of our robust and secure voter registration and community organization application named Blocks, harnessing React.js, TypeScript, Elixir, Phoenix Framework, and PostgreSQL. My responsibilities included implementing intuitive user interfaces using React.js and TypeScript, as well as develop new features for Blocks, resulting in a seamless and engaging user experience. Additionally, I worked with the back-end team to help with integrating our front-end with our Elixir backend using Phoenix Framework. Through agile methodologies, I was part of a collaborative team effort, where we had continuous improvement and timely feature delivery. This project showcased my ability to navigate complex technical landscapes, implement cutting-edge technologies, and deliver a mission-critical application that empowers communities and encourages civic engagement.

### Evolving Software

Software Engineer

(Defunct)

Aug 2021 - Jan 2022

Albany, NY

As a Software Engineer at Evolving Software, I specialized in leveraging Next.js and GraphQL to deliver cutting-edge solutions for our primary client. With a focus on front-end development, I played a pivotal role in architecting and implementing robust, high-performance web applications. My responsibilities encompassed collaborating closely with the client to comprehend their unique needs and translating these requirements into scalable and efficient code using Next.js and GraphQL. I contributed significantly to the seamless integration of GraphQL APIs, optimizing data retrieval and enhancing overall application performance. Through an iterative development approach, I drove the delivery of feature-rich, responsive interfaces that exceed client expectations. My role also involved collaborating with team members, conducting code reviews, and staying abreast of the latest advancements in Next.js and GraphQL to ensure our technology stack remains cutting-edge, fostering innovation, and delivering exceptional user experiences.

## Education

### Rensselaer Polytechnic Institute

Information Technology and Web Science

<https://www.rpi.edu/>

Aug 2017 - Jun 2021

B.S.

I graduated with a Bachelor of Science in Information Technology and Web Science, which granted me a solid foundation in both the technical and theoretical aspects of web development. Throughout my academic journey, I acquired a comprehensive understanding of web technologies, data management, cybersecurity, and software development methodologies. My coursework equipped me with hands-on experience in programming languages, database management, and the design principles crucial for creating robust and user-centric web applications. I honed my analytical and problem-solving skills through various projects, demonstrating an ability to adapt and innovate in rapidly evolving technological landscapes. Moreover, my education instilled in me a passion for exploring the intersection of technology and user experience, emphasizing the importance of creating accessible, secure, and intuitive digital solutions.