

# Joseph Harwood

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Full stack web developer with 3+ years of technical experience as a database administrator and a Computer Science Minor. Passionate about creating unique user experiences using Ruby on Rails, JavaScript, and React, and possesses strong relational database knowledge and SQL expertise. Proven track-record of successfully achieving in cross-functional projects from design to implementation for BlueCross BlueShield of South Carolina.

## TECHNICAL PROJECTS

**Cinematch** - [Frontend Github](#) | [Backend Github](#) | [Demo](#) | [Deployed Site](#)

*Movie and TV recommendation website with a chat*

- + Utilized the OMDB API with Rails, React, and Redux to recommend movies and TV shows
- + Added multiple users chat with WebSockets and Action Cable
- + Used Material UI and HTML/CSS for styling

**Quizalcoatl** - [Frontend Github](#) | [Backend Github](#) | [Demo](#)

*Snake trivia game incorporating a trivia element to the traditional snake game*

- + Created game logic using Javascript
- + Kept track of users and scores using Rails
- + Used HTML/CSS for styling of the single page web application

**//ADVENTURE** - [Github](#) | [Demo](#)

*Users attend different events and complete challenging achievements for points*

- + Added map functionality, using the Mapbox API to add custom markers on map using Javascript
- + Built the website using Rails RESTful conventions
- + Styled the website using HTML and CSS

## TECHNICAL SKILLS

Ruby, Rails, JavaScript, React, Redux, SQL, DB2, IMS, COBOL, APS, Node.js, Express.js

## EMPLOYMENT HISTORY

**BlueCross BlueShield of South Carolina**, Columbia, SC

*Database Administrator, September 2015 - December 2018*

- + Designed and created new indexes and tuned SQL queries to improve performance of production queries by 75% for a tuning effort
- + Built, updated, and maintained databases for BCBSSC's INFORM ticket system that was used internally by 11,000+ employees
- + Designed and implemented a Replication process that saved BCBSSC 76% annually on the daily unload/load cycle for INFORM

**BlueCross BlueShield of South Carolina**, Columbia, SC

*Entry Level Training Program Student, May 2015 - September 2015*

- + Designed, coded, compiled and debugged COBOL and APS programs to generate detail, control break, and summary reports to display processed claims data
- + Participated in group projects and gave oral presentations on technical topics to small groups

**Publix**, West Ashley, SC

*Deli Clerk, February 2014 - May 2015*

- + Sold products dynamically to customers by providing food pairing suggestions and meal ideas
- + Provided premier customer service to ~100 or so customers daily

## EDUCATION

**Flatiron School** - 2019

- + Full Stack Web Development, Ruby on Rails and JavaScript immersive program

**College of Charleston** - Charleston, SC - 2013

- + Degree: Business Administration Major and Computer Science Minor