SARAH BARBEE | Software Engineer

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About Me

I am a Software Engineer coming from a background of Education, who will bring exceptional collaboration skills, outside-the-box thinking, and an enthusiasm to find solutions to any team I join. As an analytical problem-solver with a people first perspective, I carry my passion for diversity, inclusion, and accessibility on any projects I work on.

Skills

JavaScript, React.js, Vanilla Javascript, HTML5, CSS3, SASS, Bootstrap, Styled-Components, Trello, Postman, Canvas, Express, Node.js, MongoDB, Mongoose, Python, PostGreSQL Git, GitHub

Software Development Projects

BAMPOW - *Fullstack Application Where Users Can Track Their Favorite Author, Illustrators, Publishers, And Characters For Comics*
- Utilized Django, PostgreSQL, React and Axios to build a full stack application, with full create, read, update, delete (CRUD) operations hitting all RESTful API calls.
- Back-End Lead Developer and assisted with Front-End developing to meet timeline requirements
- Utilized Semantic for front-end formatting

PETMATCH - *Application That Allows Users To Make Profiles For Their Pets And Message Other Pet Owners To Set Up Playdates*
- Utilized a MERN stack (MongoDB, Express, React.js, Node.js) to build a full stack application, with full create, read, update, delete (CRUD) operations hitting all RESTful API calls.
- Managed project on Github for 4 person team.
- Utilized React-Bootstrap and SCSS for front-end formatting

DAILY ROUTINE - *Daily Routine Maker Utilizing Affirmation Database And A Weather Api*
- Made RESTful API fetch calls to an Express, MongoDB, Node.js backend handling all create, read, update, delete (CRUD) operations, and tested all backend routes during development using Postman
- Used Mongoose to define schemas for MongoDB collections
- Styled and created the visual aspects using Canva and BootStrap
- Made frequent commits using Git control throughout the production of the application.

BOO-P IT - *Online Halloween Theme Bop-It Styled Game*
- Leveraged embedded Javascript, Vanilla Javascript, CSS3, and HTML5, to organize and display the visual aspects
- Wireframed and planned UI design of application using Canva
- Utilized Git control during the production of the application with frequent commits until deployment.
- Implemented Javascript methods and functions to manipulate the DOM

Professional Experience

Cumberland County: New Century International Elementary - *5th Grade Teacher*   **AUG 2021 - MAY 2022**
- Managed schedules, projects, and adjusted timelines based off of data-analysis for students while sticking to district and state guidelines
- Designed, implemented, and adjusted lessons to make compatible with Canvas LMS

Richmond County: Jenkins-White Elementary - *5th Grade Teacher*   **AUG 2020 - MAY 2021**
- Designed grade level common formative assessments and benchmark assessments for math and reading
- Presented and created weekly trainings for team-mates

Lawton Public Schools: Eisenhower Elementary - *5th Grade Teacher|Team-Lead*   **AUG 2018 - MAY 2020**
- Co-Developed and launched afterschool STEM program for 25 students with DoDea Grant Funding
- As PLC (professional learning community) lead, aggregated data across common sections to assure student growth, coached teachers on instructional strategies, employed backward design to assist teachers in honing lessons to have a greater impact on student performance
- Led meetings with various stakeholders to analyze student data and implement strategies successfully improving the school's State score from a D to a B within 2 years.

Lawton Public Schools: Ridgecrest Elementary - *3rd Grade Teacher|Team-Lead*   **AUG 2016 - MAY 2018**
- Identified children's individual and collective learning needs and employed backward design to capture students' interest and maximize individual learning resulting in 27 students growing a year or more in reading in math.
- Collaborated with different stake-holders to ensure all needs were addressed and solutions were implemented

EDUCATION

General Assembly | Remote	**Software Engineering Immersive|Dec 2022**
Armstrong State University | Savannah, GA	**Master of Arts of Teaching |May 2015**
Mary Washington University | Fredericksburg, VA	**Bachelor of Liberal Studies: Sociology |May 2012**