Sam Brandon

Frontend Engineer | Knoxville, TN | 510-856-6441
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TECHNICAL SKILLS

Languages - JavaScript (ES5/ES6), HTML5, CSS3, Flexbox, Python, MySQL, MongoDB, Redis
Libraries/Frameworks - React, Sass, Redux, Bootstrap, Typescript, Axios, Three.js, use-cannon, Fiber
Testing - Jest, Enzyme, Mocha, Chai, New Relic
Tools - Webpack, GitHub, NPM, Yarn, Babel, Trello, Docker, AWS, AWS S3 buckets, AWS EC2
Techniques - Agile Development, Pair-Programming, Problem Solving, Web Design

EXPERIENCE

Flash Card   3 months

Frontend Engineer | Javascript, React, TypeScript, Sass

- Designed a user workflow that would mimic the ability to test memory of coding fundamentals and train instincts recall data structures quickly
- Implemented a React router and navigation for responsive and fast load times
- Utilized Sass in conjunction with bootstrap to style components
- Leveraged local storage providing user sessions as well as user login/out authentication
- Simplified database management system for ease of use and import/export ability
- Employed Typscript for type security, in addition to well deffined custom hooks
- Daily stand ups and with code reviews, scoping project goals and deliverables
- Git workflow with agile practices

3D Adventure Portfolio   2 months

Frontend Engineer | React, Three.js, Fiber, Drei, Special Effects, Sass

- 3D adventure simulation built in React and Three.js featuring a goblin riding a motorcycle through a series of different locations
- Components handle physics, animation, movement, lighting, and scenery
- Created utility components with Drei for scene effects and dev scene tools reusability
- Custom 3D Models with unique animations and effects
- PostProcessing to create special effects components for reusability
- Utilized AWS Amplify to continuously detect changes from GitHub and auto-deploy updates

Nature Tours   2 months

Frontend Engineer | React, TypeScript, Sass

- Website to showcase skills learned through advanced CSS and SASS certification. Showcases modern eCommerce style website with elements, images, and text CSS animations.
- Responsive components utilizing keyframes to create animation, hovers, and media queries
- Implemented BEM methodology for reusable CSS architecture inside React Typescript app
- Built with responsive media queries to scale with a screen resolution

Certifications

Three.js with React Certificate | Udemy   2 months
  Three.js with React-three-fiber and its environmental setting and uses

Advanced CSS and SASS Certificate | Udemy   2 months
  Advanced and modern CSS, CSS architecture, animations, and responsive designs

Advanced Software Engineering Certificate | Hack Reactor @ Galvanize   1 year
  Full-stack development, coding, and problem-solving in a professional environment