Brooke Snellings

Full Stack Software Engineer

Austin, TX | She/Her/Hers

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TECHNICAL SKILLS

Front-End: JavaScript (ES5 & ES6+), React, React Router, Redux, Webpack, Babel, HTML5, CSS3, Bootstrap, Material UI

Back-End: Node.js, Express, SQL, MySQL, PostgreSQL, REST, MongoDB, Mongoose

Testing + Deployment: Mocha, Chai, Jasmine, Jest, TravisCI, Artillery, AWS EC2, Docker, Heroku

Tools + Concepts: Git, NPM, Postman, Asana, Trello, Test Driven Development, Agile Methodology

SOFTWARE ENGINEERING APPLICATIONS

Dex — **Project management software utilizing monolithic architecture to simulate Trello**
JavaScript / React with Hooks / React-Router / Bootstrap / Express / PostgreSQL / TravisCI / Jest / Docker / AWS EC2
- Implemented and styled front-end components and RESTful server route handlers
- Addressed technical debt and improved UI components by refactoring for modular code patterns
- Collaborated with a team of nine software engineers in code reviews, design, and agile workflow using Trello
- Created wireframes using Figma for effective communication on styling decisions and designed logo

Mock-Etsy — **Full stack e-commerce clone using service-oriented architecture**
JavaScript / React / React-Bootstrap / Node.js / Express / MySQL / Knex.js / Docker / AWS Elastic Beanstalk & RDS
- Built a React microservice that communicated with other microservices to simulate an Etsy product page
- Implemented a responsive and intuitive design for item details, photo carousel, cart, and messaging
- Deployed Node.js microservice and MySQL database using Docker, AWS Elastic Beanstalk, and RDS
- Built and deployed a reverse proxy server using Express to seamlessly integrate multiple microservices

Museumly — **App that allows users to explore museum artwork and curate their own collection**
JavaScript / React with Hooks / React-Router / React-Bootstrap / Node.js / Express / Axios / MySQL / Heroku
- Designed, built, and styled a React application with an endless scrolling interface
- Architected models and schema for a MySQL database to handle requests from client
- Leveraged the Harvard Art Museums and The Metropolitan Museum of Art Collection APIs to display artwork
- Implemented functionality for search, filter, and save features, as well as display all artist names

FriendTrips — **An app to help groups of friends find affordable flights using the Skyscanner API**
JavaScript / React / Material UI / Node.js / Express / Axios / Docker / AWS EC2 / NGINX
- Designed user experience and front-end structure for React components and data flow and created logo
- Implemented and styled landing page, user sign-up, and trip preferences form using Material UI
- Connected client to server to obtain real time flight data for user provided dates and departure airports

PROFESSIONAL EXPERIENCE

Hack Reactor — **Software Engineer & Instructional Staff** (Austin, TX)   2019
- Mentored and instructed forty junior engineers towards proficiency in full stack technologies and concepts including Data Structures, Closure, Pair Programming, Agile Development, React, Node, Express, & MySQL
- Served as project lead for eleven teams on thirteen total projects through monitoring progress, conducting code reviews, debugging, and coaching to follow best practices & agile workflow
- Conducted technical interviews to assess software engineers' technical skills and problem-solving capabilities

Public Speaking Engagements — **Panelist at Women Who Code's Tech Talk** (Austin, TX)   2019

EDUCATION

Hack Reactor — **Advanced Software Engineering Immersive Program** (Austin, TX)   2019

University of Florida — **Bachelor of Science in Psychology, *cum laude*** (Gainesville, FL)   2014