

SAM SPARKS

SOFTWARE ENGINEER

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LANGUAGES

- JavaScript (ES6)
- HTML5
- CSS

FRONT-END

- React.js
- React Native
- Styled-Components
- WebPack
- JQuery

BACK END

- Node.js
- Express.js
- PostgreSQL
- MongoDB
- Mongoose

DEPLOYMENT/TESTING

- Docker
- AWS (EC2)
- Jest
- React Testing Libraries
- Circle/Ci
- NGINX

EDUCATION

HACK REACTOR
Software Engineering
2021

SOFTWARE APPLICATIONS

TRICERATOPS REPUBLIC | github.com/Pixel-Triceratops

Express | React | Node | WebPack

Developed the Ratings and Reviews section of an ecommerce clothing company

- Dynamically and asynchronously rendered components with React.js
- Leveraged **Axios** and **Express** to manage large data sets from an external API
- Modals, built using **CSS Styled-Components**, reduce user friction during page transitions

RUNWAY-INCONCEIVABLE | github.com/runway-inconceivable/overview-api

AWS EC2 | PostgreSQL | Docker | NGINX

Overhauled a legacy database and hosting scheme to improve performance 96%

- Migrated an existing dataset to a new PostgreSQL database, protecting data integrity and improving query capabilities
- Analyzed application bottlenecks using **Artillery**, **Loader.io**, and **New Relic**, identifying strategic areas for improvement
- Containerized application with **Docker** and deployed to **AWS** for horizontal scalability
- Implemented a load balancer using **NGINX** and reduced API response times from 18.8 seconds, down to just 700ms

TRAVEL BUG | github.com/Safe-Sojourns/travel-bug

Firebase Authentication | React Native | React Navigation

Integrated a map feature into a travel-abroad company's mobile app

- Applied **React Native** to create a seamless UX-/UI for the map feature
- Implemented Google Maps API, allowing users to search for nearby establishments and enabling business owners to create pre generated pins based on travel itineraries
- Created smooth navigation through features using **React Navigation**

WORK EXPERIENCE

Sous Chef

Salare Restaurant / 2018-2020

- Managed a highly effective and focused team of 9 people, in a fast-paced and high-intensity fine dining restaurant
- Responsible for inventory, menu concepts, and R&D
- Kept food cost below the industry standard of 17%
- Contributed to winning Best Restaurant NW at James Beard Awards

Executive Chef

Radici / 2012-2018

- Managed a team of 25-30 people in a high-volume fine dining restaurant
- Responsible for all employees, both front and back of house
- Oversaw all aspects of menu development, special events, training, scheduling, and purchasing food for an average of 1.25 million in annual sales