James Schmiechen | Full Stack Software Engineer

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- **Languages:** React, Node, Javascript, Java, Python
- **Tools:** Git, Redux, GraphQL, Electron, Numba, Numpy, Express, Firebase, Apollo, Webpack, Babel, ES6
- **Other:** HTML, CSS, SASS, Agile, Slack

WORK EXPERIENCE

Bakersfield College   **2018 – 2019**
Software Engineer   *Bakersfield, CA*
- Utilized React, Firebase, and Google Analytics to construct a CMS providing comprehensive usage metrics, user management, and automated chat moderation in a user-friendly way.
- Self-started to completion a secure firebase API that interfaces with both third-party APIs and the app itself.
- Worked with back end engineer to develop non-relational database schemas in order to provide an efficient framework to store and access large amounts of data.
- Lead Jr. developers to learn the ins and outs of web application development, contribute on a real-world project, and provide insight on technical choices.

OnStack Software   **2017 – 2018**
React Developer   *Bakersfield, CA*
- Implemented Redux with React to construct a rich and dynamic case management system, using Redux's predictable state container and React's reusable components to slash case processing performance by 50%.
- Built API using Express and GraphQL to distribute cases and users, utilizing GraphQL's typed schema and optimized queries to efficiently propagate data to the front end and maintain HIPAA compliance.
- Discussed project viability, mock ups, and time estimates with clients.

PERSONAL PROJECTS

React Event Calendar (React) https://github.com/JFschmiechen/React-Event-Calendar   **2019**
- Used MaterialUI and React to develop a modern, configurable, and modular event-based calendar component.
- Dynamically scales to fit any viewport as well as any space on a web page with a unique mobile view.
- Downloaded and used in over 350+ projects a week.

Custom Edge Detection Algorithm (Python)   **2018 – Present**
- Used Python to create edge detection algorithm modeled after the receptive field of retinal ganglion cells.
- Detects edges in 1920 x 1080 image in 0.56 seconds (Fastest time, $N = 1000$).

Jfschmiechen.github.io (React) https://github.com/JFschmiechen/JFschmiechen.github.io   **2017 – Present**
- Uses the Ant design library and React to create a professional and clean user experience.
- Features responsive design preserving page structure and style in any view port.
- Implements google analytics to track usage metrics.

EDUCATION

Bakersfield College   **2019**
Associates, Computer Science   *Bakersfield, CA*
- Programming Concepts and Methodologies I & II | Discrete Mathematics | Computer Architecture
- Participated in 2016 CSUB Hackathon