RYAN **ERICKSON**

FULL STACK SOFTWARE ENGINEER

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Quick learner with a passion for problem solving, I have a love for technology and a track record of accomplishments. I am dedicated to accomplishing anything I set my mind to, and work extremely hard to achieve my dreams. I hope to leverage my skills for impactful solutions towards user-focused work.

Experienced in a wide range of **skills** including:

LANGUAGES: JavaScript, Python, SQL, HTML, CSS
FRAMEWORKS: React, Redux, Node.js, Flask, Express, Mocha, Cypress
BEHAVIORAL: Leadership, Attention to Detail, Collaboration

DATABASES: PostgreSQL, GraphQL, SQLite
TOOLS: Git, Postman, Adobe Creative Suite
METHODS: Agile, Kanban, Scrum

WORK EXPERIENCE

CHICAGOLAND SKYDIVING CENTER >> *Full Stack Developer*   **April 2021 – Present**
- Developed, designed and implemented a custom app using React, JavaScript and Websockets for staff and customers to view live data and make important safety decisions based on that data.
- Built and integrated a custom backend portal with secure login and user authentication using Flask and Python to facilitate custom data being stored and displayed to staff and customers.
- Created a custom trivia game with JavaScript and React for the frontend, Python and Flask for the backend including a leaderboard feature to facilitate important safety info for jumpers getting licensed or recurrent.

UNITED STATES PARACHUTE ASSOCIATION >> *Safety and Training Advisor*   **July 2021 – Present**
- Provided expert safety and training counsel to hundreds of skydivers, drop zone operators, and rating holders, both online and in person, fostering an informed and cautious approach to skydiving activities.
- Conducted comprehensive in person accident investigations, reviewing video footage, interviewing witnesses, and compiling and submitting accurate incident reports through online channels.
- Engaged with industry peers and experts at yearly safety events and other related skydiving forums to stay updated on the latest safety practices and technological advancements in order to provide accurate information.

UNITED STATES PARACHUTE ASSOCIATION >> *Tandem Instructor/AFF Instructor*   **Mar 2016 – April 2021**
- Instructed individuals in proper body positioning whether solo or attached to me, freefall techniques, and parachute deployment, creating a safe and enjoyable skydiving experience and contributed to the growth of the skydiving community by organizing and participating in training programs for aspiring skydiving instructors.
- Performed thorough pre-jump briefings to ensure jumpers' understanding of safety procedures, equipment usage, and emergency protocols and demonstrated expertise in assessing weather conditions and implementing safety measures to mitigate risks, ensuring optimal jump conditions.

PROJECT EXPERIENCE

CSC WEATHER APP >> React, JavaScript, Python, Flask, Websockets, PostgreSQL, Graphql   **[GitHub](#) > [Live](#)**
- Utilized WebSockets and Graphql to establish a live connection with an external weather station, ensuring up-to-the-second updates of weather conditions directly from the source.
- Designed an intuitive and user-friendly interface with JavaScript and React allowing users to easily access and interpret the weather information critical for safety planning.
- Integrated dynamic data visualization tools using React-Charts to display real-time weather trends, enabling users to quickly identify changes and patterns that impact their safety decisions.
- Built a PostgreSQL database with RESTful api endpoints using Python and Flask to store and manipulate internal data.

SLACKER >> React, Redux, JavaScript, Python, Flask, Websockets   **[GitHub](#) > [Live](#)**
- Collaborated with a team of developers to create a feature-rich real-time messaging application tailored for workplace communication needs, employing a tech stack that included React, Redux, JavaScript, Python, Flask, and WebSockets.
- Played a pivotal role in integrating WebSockets to establish live connections between users, enabling instantaneous message delivery and ensuring a seamless real-time messaging experience.

POSTERRA >> React, Redux, JavaScript, Python, Flask, PostgreSQL   **[GitHub](#) > [Live](#)**
- Employed React and Redux to create a dynamic and responsive user interface, providing an intuitive and seamless browsing experience for users navigating through diverse content and to create scalability and maintainability of the codebase while ensuring a consistent and efficient data flow throughout the application.
- Implemented a robust user authentication system using Python and Flask, ensuring secure user registration, login, and permissions for a personalized experience.

EDUCATION

APP ACADEMY >> *Full Stack Software Development - Perfect Attendance*