

Jack Percival

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

React, Redux, JavaScript, Python, Express, Flask, HTML, CSS, Sequelize, SQLAlchemy, SQL, PostgreSQL, Socket.IO, Git

EXPERIENCE

Software Quality Manager (Security R&D Team) - Epic Systems

August 2016 – May 2021

- Managed large scale software development projects for teams of **6+ people**, across the SDLC (software development lifecycle) to ensure deadlines were met, all features were implemented, and high quality code was shipped
- Performed functional software testing, assessed usability, and conducted **automated** testing on system software to find and fix bugs
- Advised team and fostered **UI / UX** discussions as a **User Experience Coordinator** to create well designed, accessible, and intuitive products
- Authored **technical documentation** about software updates to educate customers and increase feature adoption rates
- Mentored new employees and provided daily Security Team training sessions, business process discussions, and general support and expertise, easing the transition into new roles and **decreasing onboarding times**

TECHNICAL PROJECTS

ChihuaWalk (React, Redux, Python, HTML, CSS, Google Maps API, Google Geocoder, Amazon Web Services)

[live](#) | [github](#)

An Airbnb clone focused on dogs, built with React, Redux, Python, HTML, and CSS

- Incorporated the **Google Geocoder API** to validate user-entered addresses and convert them into geo-coordinates to automatically render dog locations on a Google Map
- Engineered a customizable search feature with **Redux** to allow users to search a variety of characteristics and find results that fit their specific criteria
- Utilized **AWS S3** to implement image uploads to reduce server load and allow for scalability of image services

Discuss (React, Redux, Python, HTML, CSS, Socket.IO)

[live](#) | [github](#)

A chat-based web application inspired by Discord, built with React, Redux, Python, HTML, and CSS

- Designed the majority of the application with **custom CSS**, including the splash screen, login and sign-up pages, server and channel sidebars, and search page, to create a seamless user experience between every page and feature
- Improved performance by organizing the application's architecture via **React Router** to reduce loading times, page refreshes, and React component re-renders
- Created an instant chat feature with the **Socket.IO** library

Soccr (React, Redux, Javascript, HTML, CSS)

[live](#) | [github](#)

A Flickr clone for viewing and uploading soccer related images, built with React, Redux, Javascript, HTML, and CSS

- Connected the **Express** backend to a **PostgreSQL** database, utilizing the **Sequelize** ORM to seamlessly validate data and make database queries
- Implemented custom **React** components to create a single-page website with fully dynamic data rendering
- Developed user privacy and autonomy using authentication, **React Router**, and **BCrypt** password hashing to ensure only authenticated users can modify their photos and comments based on defined user requirements and permissions

Ace API (Javascript, Pug, CSS)

[live](#) | [github](#)

A website designed for developers to view and organize APIs, built with Javascript, Pug, and CSS

- Constructed the front-end **JavaScript** used in the application to create an interactive user interface with minimal page refreshes
- Decreased server latency and increased loading speeds by instituting custom **SQL** queries to efficiently display and update data
- Leveraged coding best practices to build pages with **Pug** templates, creating dynamic and reusable code throughout the website

EDUCATION

App Academy - Full Stack Software Development

June 2021 – December 2021

- Rigorous 1000-hour full stack software development course with <3% acceptance rate
- Coursework included: JavaScript, Python, React, SQL, Test Driven Development (TDD), Object Oriented Programming (OOP), algorithms, data structures, system design patterns, system architecture, and programming best practices

Carleton College - BA Economics | 3.64 GPA

August 2012 – June 2016