

MANRAJ SINGH

PERMANENT RESIDENT

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EDUCATION

Web Development - App Academy | Winter 2019

Bachelors of Technology in Computer Science *Punjabi University, Patiala* | 2018

SKILLS

Ruby, Java, C/C++, JavaScript(ES6) MySQL, Node.js, NPM, Babel, GitHub, Git, React/ Redux, Ruby on Rails, HTML/CSS, jQuery, SQL, AWS, MongoDB, Postgres, Express.js, HighCharts, Python, Heroku, MVC, Agile Methodology, Android Development, Jest, Mocha, Jasmine, and Capybara.

EXPERIENCE

Software Engineer

October 2019-Present

Freelance

LyndrX

- Implemented Single Sign-On Authentication by assigning JWT token using jsonwebtoken to authenticate users using passport-jwt.
- Generated salt of password using BCrypt to protect users passwords.

Blogium (Ruby on Rails, ReactJS, Node, Postgres)

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

Social journalism website

- Ensured the safety of the user credentials implemented user auth by creating unique session tokens using Secure Random and saving passwords at the backend using BCrypt.
- Implemented new post creation through form data submission via ajax to be saved to database and returned for rendering by frontend.
- Integrated likes into posts by dispatching actions to the global Redux Store and updating local state via mapStateToProps().
- Used Active Storage in conjunction with AWS S3 to reduce server load time of images.

What's the weather (JavaScript, Highcharts)

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

Live weather web application that forecasts weather of any city in the US.

- Integrated HTML and CSS with the Highcharts to maximize the intuitive user experience.
- Used VanillaDOM to create and fill HTML tags dynamically with live data received from Open Weather Map and Weatherbit.io API.
- Utilized Highcharts library to create a graphic representation of the JSON response from the API.
- Combined temperature, precipitation, wind direction, air pressure and weather status into a sleek, interactive, user-friendly visualization.

Dumbbells-N-Donuts (MongoDB, Express.js, ReactJS, Node)

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

Fitness management web application that helps users manage workout routines and meals, and is developed using the MERN stack.

- Implemented user auth by signing JSON Web tokens and sending them up to the frontend to be used in the headers of the subsequent Axios calls.
- Developed a two step signup page caching local state within the Redux store to persist data when refreshed.
- Ensured Redux-persist stored needed information on reloading, forbidding users to lose selected muscle groups.
- Created search filters to permit users to find meals based on how many calories they want per meal.

System Software Engineer

Infosys Ltd.

January 2018 - July 2019

- Developed single page applications using Java, Angular.JS, JQuery, HTML, CSS, Bootstrap, JavaScript and Hibernate.
- Actively worked in designing the DB of the application to maximize efficiency and minimize redundancy of data.
- Utilized MVC principles to ensure a clean architecture and a lean code base for maximum efficiency.
- Followed Agile development best practices and consistently delivered new features on time during sprints.