

Josh Bacon

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Skills

Languages: JavaScript, HTML/CSS, Dart, Python, PHP, SQL

Libraries: React, ReactNative, Redux, Tailwind, MUI, Flutter, PocketBase, MySQL

Software: Power Apps, Power Automate, Power BI

General: GitHub, \LaTeX

Projects

Code Gambit

Fullstack Web Application

Designed and developed a website to practice coding and chess at the same time. Session state management was handled using Redux and I am working on a Go backend which makes use of websockets to enable multiplayer matches. PocketBase, using SQLite, stores both user and match data relying on a JavaScript API.

Utilized: React, Redux, Go, PocketBase

Budget Bud

Android Application

Mobile app to track expenses and budgets; helps to visualize and categorize your spending. Being written in ReactNative, this app has a similar feel to a web app with the benefit of having it installed on your device. I made use of multiple libraries to create charts and import icons to best display the data, along with a Tailwind plugin called NativeWind for all styling.

Utilized: ReactNative, Tailwind (NativeWind)

SMITEle

Web Application

Created a simple wordle-style web application themed around the Smite game. This allowed me to learn the basics of React, like the proper use of effects and interacting with data, and broader aspects of web development such as state management.

Utilized: React

Recipe GPT

Fullstack Web + Android App

Group submission for MtA Hacks 2023; an AI powered platform that takes in ingredients and returns a recipe. Collaborating with three group mates, I worked on both the web and mobile frontends.

Utilized: Flutter and React

Experience

Business Reporting Specialist — Kent Building Supplies

May 2023 - Present

Dartmouth, NS

Being on the reporting team I used Power BI to build datasets and report dashboards. Part of my responsibilities include continuing my work with business improvement using the Power Platform by building new processes while maintaining existing projects.

Business Analyst Intern — Kent Building Supplies

May 2021 - April 2023

Saint John, NB

As a business analyst my role was to streamline internal processes and automate them where I could. To accomplish this I used the Microsoft Power Platform, specifically Power Apps for data input and Power Automate to organize data and notify the necessary people as required. I worked on projects for many different departments solving a variety of problems.

Technology Administrator — Fundy Trail Parkway

Summer of 2020

Saint Martins, NB

During the summer, I maintained the website by updating information and took the first steps to setting up an e-commerce store to sell merchandise. I also setup POS systems and printers to connect over multiple networks that cover the trail. Taking care of miscellaneous tech related issues consisted of monitoring scheduling software, general tech support, and more.

Education

B.Sc. Computer Science with Minor in Commerce

Mount Allison University

Sackville NB

2019-2023 — GPA: 3.808