





SAQIB ALI

 saqibali.ca

 s248ali@uwaterloo.ca

 saqib-ali

 SaqibA1i

 647-561-7949

SKILLS

Languages: JavaScript, HTML, CSS / SASS, TypeScript, Java, C++, C, Python, SQL

Frameworks: React, Redux, Express, Node.js, MongoDB, Springboot, EFK (Elastic Search, Fluentd, Kibana)

Tools: Docker, Git, Bash, Postman, Kubernetes, Jenkins

EXPERIENCE

Primer.ai  **Software Engineering Intern (Front-end)**  **San Francisco, CA**

Jan 2022 – Apr 2022

- Executed the merger of separate **Redux** stores following the consolidation of two major company applications, significantly reducing codebase complexity.
- Standardized authentication logic for the **React** front-end by leveraging npm packages, abstracting repetitive logic and securing access to company wide applications.
- Spearheaded the design (UI/UX), and development of an internal tool using **React**, **Python** and **SQL**; ensuring authorized access to services.

CGI Inc.  **Software Engineering Intern (Back-end)**  **Markham, ON**

May 2021 – Aug 2021

- Engineered a service using **Python** scripts to automate the warehousing of **Elastic** logs, reducing backup time by **80%**.
- Utilized **Java** with **Spring** interceptors to implement Role Based Access Control, ensuring authorized access to services.
- Orchestrated a full technical redesign of making updates to the API gateway by utilizing the **Deck** tool integrated into a **Jenkins** **CICD** pipeline, increasing team efficiency by reducing **50%** of the time spent making updates.

OpenText  **FullStack Engineering Intern**  **Waterloo, ON**

Sep 2020 – Dec 2020

- Built a website to showcase UX/UI icons using **React** and **JavaScript**, drastically reducing site load times by **97%**.
- Led the development of an icon management system utilizing **React.js**, **Java/Spring** which allowed **CRUD** operations for the efficient management of image files.
- Automated icon manipulation using **Team City** as part of **CICD** enabling programmatic access through npm packages.

WeWork  **Software Engineering Intern**  **Toronto, ON**

Jan 2020 – Apr 2020

- Architected a **REST API** using **MongoDB** and **Express** to upload user media, with user interaction through **VueJS**.
- Spearheaded the development of scripts using **Node.js** to test the application functionality.

PROJECTS

 **Grades Tracker Application**  grades-application.netlify.app/  *MERN stack, Redux, TypeScript, Styled Systems*

Apr 2022

- Engineered a full stack web app that allows users to effortlessly keep track of their grades, streamlining the process of entering grades and saving students over **65%** of their time when compared to doing so manually.
- Architected a **REST API** using **Express** and **Node.js** which served backend functionality to the **React** frontend.
- Implemented user authentication using **Google OAUTH** tokens, securing access to user info stored in **MongoDB**.

 **Schmart**  **1st place winner @Hack the Valley V – 500+ participants**  *React Native, TypeScript, Flask, Python, SQL*

Oct 2021

- Spearheaded the development of a full-stack mobile application to streamline user shopping experience.
- Implemented a product scanning system by leveraging **React Native** and the **Expo barcode scanner**, enabling users to meet their diet goals by dynamically tracking the nutrient content of scanned products.
- Structured a **REST API** using **Python** and **Flask** to effectively update user information stored in an **SQL** database.

 **Graph Traversal Algorithms Visualizer**  graph-algorithm.netlify.app/  *React, TypeScript, Sass*

Oct 2021

- Engineered an interactive 2D GUI using **React** for visualizing path finding algorithms: Breadth & Depth First Search.

 **Sorting Algorithms Visualizer**  sort-app.netlify.app/  *React, Typescript, Sass*

May 2021

- Developed a web interface to visualize the progress of famous sorting algorithms like: Merge Sort, Quick Sort, Insertion Sort etc., to help students better understand their underlying logic.

EDUCATION

BAsc, Computer Engineering, University of Waterloo, Waterloo ON

Sep 2019 – Apr 2024

Relevant Courses: Algorithms & Data Structures, Systems Program & Concurrency, Real-Time Operating Systems