

SAQIB ALI

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TECHNICAL SKILLS

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

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

Tools: Docker, Git, Bash, Postman, Kubernetes, Kong (API gateway), Keycloak (Identity Provider), Jenkins

WORK EXPERIENCE

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

May 2021 – Aug 2021

- *Currently Working*

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 to a web application, ensuring authorized users have access to specific 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 📁 **Software Engineering Intern (FullStack)** 📍 **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 functionality of user creation and deletion.

PROJECTS

📱 **Schmart** 📁 **1st place @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, utilizing **React Native**, **Python**, **Flask**, **SQL**.
- 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.

📱 **Grades Tracker** 📁 grades-application.netlify.app/ 📁 *MongoDB, Express, React, Node, TypeScript Google Oauth*

Jan 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**, allowing for secure access to user information stored in **MongoDB**.

EDUCATION

BAsc, Computer Engineering, University of Waterloo, Waterloo ON

Sep 2019 – Apr 2024

- **Relevant Courses:** Algorithms & Data Structures (**86%**), Systems Program & Concurrency (**86%**)