SAQIB ALI

COMPUTER ENGINEERING | UNIVERSITY OF WATERLOO

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TECHNICAL SKILLS

C++ **|** JavaScript **|** Java / Spring **|** Python **|** HTML / CSS / SASS

React **|** Postman **|** Docker **|** Apache Server **|** MERN **|** TypeScript **|** Git **|** Kubernetes

WORK EXPERIENCE

Spring 2021

Backend Developer, Intern   *CGI Inc. Markham, Ontario*   *May 2021 – August 2021*

- Established a system using python scripts to automate the warehousing of **ElasticSearch** logs, reducing time by **80%.**
- Spearheaded the research / integration of the Deck tool in a **Jenkins CICD** pipeline to securely update Kong.
- Leveraged knowledge in **Java, Springboot** to add RBAC to a web application via the use of interceptors. The app was deployed via **Docker** and accessed through a reverse proxy integrated with the Keycloack IDP.
- Created an **Express.js** application to scrape metrics from the Keycloack IDP and perform custom health checks.

Fall 2020

Full-stack Developer, Intern   *OpenText*, Waterloo*, Ontario*   *September 2020 – December 2020*

- Co-developed a responsive web interface to showcase company icons and optimize the UXD team's workflow from a sluggish and nonresponsive site to one that is instantaneous.
- Lead the development of an admin screen to upload, delete and edit icons utilizing **React.js, Java and Spring**.
- Implemented build automation using Team City to run scripts for further manipulation of icons as part of CI/CD.

Winter 2020

Software Engineer, Intern   *WeWork labs, Toronto Ontario*   *January 2020 – April 2020*

- Worked in a fast-paced startup environment to aid the development of a social media application.
- Performed manual test executions to document bugs using **Node.js** and **JavaScript**.
- Spearheaded the implementation of a **RESTful API** demo to upload user media to **MongoDB** using **Express**.

SOFTWARE PROJECTS

Sorting Algorithms Visualizer   *React.js, TypeScript*   https://sort-app.netlify.app/

- Developed a clean web interface to visualize the progress of some famous sorting algorithms.

Grades Tracker Web App   *MERN stack, PassportJS*   https://qalculater.netlify.app/

- This full-stack web app keeps track of grades, decreasing the time required for a single grade entry by **65%.**
- User authentication and registration were handled using **PassportJS** and **MongoDB.**
- Structured the backend using **ExpressJS** to make updates to the **MongoDB** database.

PlayStation 5 for Windows   *Python, Kodi*   https://youtu.be/SHyACovTXSE

- Developed a clean interactive front-end interface to launch games using Kodi.
- Implemented core functionality to launch, hide, sort, remove games via Python scripts.

EDUCATION

Fall 2019 - Present

University of Waterloo Candidate for BAsc in Honours Computer Engineering, Co-op

OTHER

- **uWaterloo Euclid School Champion**: 1st place in math / computing competition awarded twice (2017 & 2018).
- **Governor General's Academic Award**: Highest academic achiever in high school.