SAAHIL JAFFER

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SKILLS

Languages – Javascript, C++, C, Java, Python, PHP, SQL, Dart, VBA, Scheme, Lua, Bash

Tools and Technologies – React, Node.js, Express.js, MongoDB, NoSQL, SQLite, Firebase, Git, Selenium, Jira

WORK EXPERIENCE

Quality Assurance Engineer - YuJa   *September 2020 – December 2020*

- Improved the **quality assurance process** by identifying deficiencies in testing methodologies and processes.
- Created **end-to-end** test cases and identified design flaws in new features that impacted **20%** of users.
- Updated and created new **automation tests** to improve test coverage in different environments.
- Enhanced software quality by comprehensively testing with over **1200** test cases and filing over **200** tickets.
- Gained insight into the various aspects of the **agile process** and the effects of improper procedures.

Game Developer - Treasured   *July 2018*

- Created a virtual museum in **Unity** that allowed users to showcase memories of their loved ones.
- Implemented new ways for users to interact with the **virtual reality** environment using different controllers.
- Improved the collaboration in an agile development environment by utilizing Unity **version control.**
- Collaborated with team mates to successfully design the **minimum viable product** for investor presentation.

PROJECTS

Volunteer Portal

- Designed a volunteer portal for over 120 drivers that improves registration processes by storing user data.
- Built a frontend web application in **React** using **Material-UI** that allows volunteers to register for events.
- Created a backend API using **Node.js** and **Express.js** that communicates with a **NoSQL** database.
- Used **Firebase** for hosting and authentication to ensure that user credentials are securely stored.

Movie Nominator

- Created a front-end web application in **React** to enable users to nominate movies for awards.
- Utilized the Open Movie Database **API** to access a list of movies and used **Bootstrap** to improve the design.

Route Selector

- Enabled food delivery through 120 optimal routes to over 5000 people in over 10 cities.
- Designed a system using **PHP** and **SQL** that allowed drivers to retrieve their personal route on **Google Maps.**

Raspberry Pi Prayer Clock

- Designed a clock which reminds users of the exact time to pray while accounting for daylight savings time.
- Utilized a **SQLite** database to store prayer times which enabled the clock to work **offline.**

LEADERSHIP EXPERIENCE

Orientation Leader – University of Waterloo   *May 2020 – August 2020*

- Hosted biweekly meetings with interactive activities to welcome students to the Math Faculty.
- Lead a group of around 35 incoming first-year students and assisted in their transition to online learning.

Elected Member – Jaffari Islamic Youth   *July 2018 – May 2020*

- Created and enforced annual and event-specific budgets to ensure fiscal responsibility.
- Successfully organized 20+ community building events from start to finish with over 100 participants.

EDUCATION

Honours Computer Science - *University of Waterloo*   *September 2019 – April 2024 (Expected)*
Candidate for Bachelor of Computer Science