Shahzor K. **Hossain**

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Education

University of Toronto   *Toronto, ON*
BASc in Computer Engineering   *June 2020*

Skills

- Proficient in C, C++, Python, Swift, React, Redux, React-Native, Node.js
- Experienced in Firebase, IBM Watson, Microsoft Azure

Experience

SeamlessMD   *Toronto, ON*
Quality Assurance Intern   *Sept. 2018 – Sept. 2019*
- Performed and reported daily tests on a data set of ~100 users per hospital, which were later used in sales meetings with clients.
- Ran vigorous tests on the revamp of the app which would host more than 5000 users in hospitals and healthcare centres.
- Developed Jest testing scripts to QA React components and containers during the first building phase of the new app.

Maya Apa   *Dhaka, Bangladesh*
iOS Developer Intern   *July 2017 – Sept. 2017*
- Developed the iOS MVP in which women can anonymously receive counselling from an online community of professional therapists.
- Implemented real-time messaging between users and therapists using Firebase.
- Implemented password-less login with Facebook, SMS or email using the Facebook Login and Account Kit SDK.
- Implemented an algorithm which reduced loading time of more than 100 messages by 50%.

Projects

Conscious Crowd   *HackTheNorth 2019*
Backend Developer   *Sept. 2019*
- Developed an educational survey platform that would be used by professionals when presenting infront of crowds or meetings.
- Created customized quizzes that would educate crowds on issues such as sustainability, workplace harassment, recycling.
- Users would be able to swipe left or right for each question, and an aggregated percentile of each question is shown to the presenter.
- Using a Firebase Database and Python backend, the platform would be able to hold more than 1000 users and answers.

Places to Instagram   *Amadeus Hackathon*
Frontend Developer   *July 2019*
- Developed a web app which shows popular tourist attractions and more instagram-worthy places to go in cities.
- Allows multiple users to add more places in the list, with an option to 'like' the more popular comments.
- Used React and Redux for the frontend design and additional libraries. Used Amadeus API to find top 10 attractions in each city.

SpeechIO   *HackTheNorth 2017*
Backend Developer   *Sept. 2017*
- Developed an app in Java, to help the visually impaired to practice speeches using voice recognition.
- Microsoft Azure's Speech to Text API and Firebase were used for real time monitoring of each practice session.
- Feedback was given for speech accuracy and words/sec, with an average accuracy of 90% using Microsoft Azure's API .

Let's Talk   *Personal Project*
Full Stack Developer   *Sept. 2017*
- Developed an automated SMS chatbot informing users about where to find resources and links after moving into a new city.
- Implemented the backend using NodeJS with Twilio Client and Watson Conversation APIs.
- The project is targeted for new immigrants and refugees seeking help in a new country.

Leadership

Engineers Without Borders (UofT Chapter)   *Toronto, ON*
VP Outreach, Youth Engagement Executive   *Oct. 2016 - Sept. 2017*
- Responsible of all outreach activities, contacting people for events and planning them accordingly.
- Led workshops and meetings on social change and sustainable development with high school students in the GTA.
- Managed over events throughout the year with collaboration from 6 other people in the team.