

# Shahzor K. Hossain

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## Education

### University of Toronto

BASC IN COMPUTER ENGINEERING

Toronto, ON

Sept. 2015 - May 2020

## Skills

- PROFICIENT IN: C C++ PYTHON JAVASCRIPT REACT REDUX REACT-NATIVE NODE.JS SQL
- TECHNOLOGIES: FIREBASE MONGODB AZURE AWS DOCKER DATABRICKS APACHE SPARK

## Experience

### Software Engineer

ACCENTURE

Toronto, ON

Nov. 2020 - Present

- Designed and developed 12 ETL Pipelines in MS Databricks using Apache Spark, streamlining the on-premise to cloud migration of 6.6Tb of data for TD Bank.
- Restructured data validation tools and logic yielding 23% faster results, saving defect triaging time by 42%.
- Optimized Spark clusters for data notebook runs, resulting in 30% improvement in speed and efficiency of the ETL pipeline runtimes.

### Co-Founder / Lead Developer

EAKO

Toronto, ON

Dec. 2020 - Present

- Designed and led the development of the frontend MVP of the mobile app using React Native, Nodejs, and MongoDB.
- Accelerated bug fix deliveries by 34% by streamlining planning weekly sprints using Kanban boards in Trello.
- Revamped 73% of the codebase to incorporate modern ES6 functional components using React Hooks, performance tracking using Firebase and state management using Redux.

### Software Engineer

SEAMLESSMD

Toronto, ON

Sept. 2018 - Sept. 2019

- Developed Jest testing scripts for React components, reducing time to production by 22% during the building phase.
- Automated and analyzed 15 daily tests on a data set of ~100 users per hospital, assisting in sales meetings with clients.
- Performed vigorous tests on the latest app which would host more than 5000 users in hospitals and healthcare centres.

## Projects

### Mobile Developer

CONSCIOUS CROWD

HackTheNorth 2019

Sept. 2019

- Developed an educational survey platform that would be used by professionals when presenting in front of crowds.
- Designed and developed 3 custom quizzes that would educate crowds on issues such as sustainability and recycling.
- Increased overall speed of loading queries by 10% by designing a Firebase Database powered with a Python backend.

### Backend Developer

SPEECHIO

HackTheNorth 2017

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.

### Full Stack Developer

LET'S TALK

Personal Project

Sept. 2017

- Developed an automated SMS chatbot informing users about where to find resources 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

### Mental Health ERG Lead, National Newsletter

ACCENTURE

Toronto, ON

Nov. 2020 - Present

- Spearheaded the Canadian newsletter initiative by writing monthly newsletters surrounding MH in the workplace.
- Promoted a safe space for employees and supervisors to voice their concerns and develop a positive work environment.
- Assembled research articles regarding various topics including imposter syndrome, pandemic depression, and productivity boosts.