



Shazil Arif

Lower Horning Rd, Hamilton, Ontario, Canada 

(+1) 647-746-9134 

arifs2@mcmaster.ca 

www.linkedin.com/in/shazil-arif 

SKILLS

Languages: JavaScript, Python, Java, C#, C, Bash, HTML, CSS, SQL

Technologies: Node.js, Express, Bootstrap, Jest, jQuery, Android Studio, EJS, .NET, Flutter, Xamarin

Other: MongoDB, Firebase, Google Cloud Storage, Heroku, Git, Travis CI, Linux (Ubuntu)/Unix

EXPERIENCE

JULY 2019 – SEPTEMBER 2019

Full Stack Web Developer/McMaster Muslim Student's Association (Mac MSA)

- Independently developed the **front and back end** for a content management system
- Website is used regularly to post announcements and events for over **500 users** to view
- Successfully integrated several APIs and cloud services including **Google Maps API, Filestack API, Google Cloud Storage** and **Firebase (Database, Authentication, Serverless Functions)**
- Built an intuitive **UI** with a focus on responsiveness for mobile and web clients
- Set up a **CI/CD pipeline** to automate cloud deployments using **Git version control, Travis CI** and **Firebase Hosting**
- Technology stack: Back End (**Node.js, Express, Firebase**)/Front End (**HTML, CSS, Bootstrap, jQuery, JavaScript, EJS template engine**)

FEBRUARY 2019

Android Developer/Father Michael Goetz Secondary School

- Developed a proprietary **Android app** to assist high school students with indoor navigation
 - Showcased at **DP Innovator's Summit 2019**, awaiting approval for use by over **1000 students**
 - Built a **real-time indoor navigation** system that detects a user's location by calculating distances from a user's phone to nearby Wi-Fi access points and finding the closest one
 - Prototyped with **Visual Studio, Xamarin, C#**, rebuilt with **Flutter, Dart, Android Studio, Java**
-

PROJECTS

Vidly/Personal Project

github.com/shazil-arif/Vidly

- Developed a JWT protected **RESTful API** for video rentals using **NodeJS, Express** and **MongoDB**
- Followed **modular design patterns** to develop a maintainable back end application
- Utilized modern **JavaScript** practices and features including **async/await, promises, callbacks**
- Used **Jest** testing framework to perform automated **unit** and **integration** tests on API endpoints

CloudLock/Hack the North 2019

devpost.com/software/cloudlock-z3p4hu

- Built a home security system that uses facial recognition for authentication via a mobile app
- Built an API using **Node.js, Express** and **Firebase** to manage user logins and track activity
- Developed a web dashboard with **JavaScript, Bootstrap, jQuery** to view user login stats/activity

AirWise/Enghack 2019

devpost.com/software/airwise

- Developed a real-time air quality monitoring system using an Arduino, sensors and a website
 - Placed **2nd overall out of over 100 teams at Enghack 2019**
 - Built a website to retrieve data from **Firebase** logged by the sensors and update it in real-time
 - Wrote a **Python** program to predict future air quality conditions
-

EDUCATION

Bachelor of Engineering, Software Engineering / Deans' Honour List / Graduation April 2022

McMaster University, Hamilton, Ontario

Relevant Courses: Data Structures and Algorithms (SE 2C03), Software Development (SE 2AA4)