Shazil Arif

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SKILLS

Languages: JavaScript, Python, Java, C#, C, Bash, HTML5, CSS3, SQL
Technologies: Node.js, Express, Bootstrap, Jest, pytest, JUnit, jQuery, .NET, Flutter, Xamarin
Other: MongoDB, Firebase, Google Cloud Storage, Heroku, Git, TravisCI, Linux/Unix, GitHub

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EXPERIENCE

MAY 2020 – AUGUST 2020

Incoming Full Stack Developer Intern/MenloLab Inc, Hamilton, Ontario, Canada

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 **600+ 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 **CI/CD pipeline** to automate cloud deployments using Git, TravisCI and Firebase Hosting
- Technology stack: Back End (**Node.js, Express, Firebase)/**Front End (**HTML5, CSS3, 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**
- Utilized **ES6 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

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

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EDUCATION

Bachelor of Engineering, Software Engineering / Deans' Honour List / Graduation April 2022
McMaster University, Hamilton, Ontario