

Shazil Arif

Software Engineer

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github.com/shazil-arif

Education

- **Bachelor of Engineering, Software Engineering** Expected graduation April 2022
McMaster University, Deans' Honor List Recipient
- **Relevant courses:** Software Design (A+), Software Engineering Practice and Theory (A+), Computer Architecture (A+), Data Structures and Algorithms (A),

Skills

- **Languages:** JavaScript, Python, Java, C#, C, Bash, SQL
- **Technologies:** Node.js, Express, Spring Boot, JUnit, jQuery, .NET,
- **Other:** MongoDB, Firebase, Google Cloud Storage, Heroku, Git, Travis CI, Linux/Unix

Experience

Full Stack Developer Intern

May 2020 - Present

MenloLab Inc.

- Working at a early stage startup developing a cloud platform for using engineering tools

Full Stack Web Developer

July 2019 - Sep 2019

McMaster Muslim Students' 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**
- Integrated several APIs including Google Maps API, Filestack API and Google Cloud Storage
- Built an intuitive UI with a focus on responsiveness for mobile and web clients
- Set up CI/CD pipeline using Git and Travis CI to easily release new features and bug fixes
- **Technology stack:** Node.js, Express, Firebase, Bootstrap, jQuery, EJS template engine

Android Developer

February 2019

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 **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

Projects

Pathify

April 2020

Course project

github.com/shazil-arif/Pathify

- Developed a REST API for finding the shortest path that visits a given set of destinations in order
- Followed a scrum methodology and developed the application iteratively in sprints
- Technologies: React, Java, Spring Boot, Maven, Heroku, JUnit

Vidly

September 2019

Personal Project

github.com/shazil-arif/Vidly

- Developed a JWT protected REST API for video rentals using **Node.js, Express** and **MongoDB**
- Used the **Jest** testing framework to perform automated unit and integration tests on API endpoints

AirWise

June 2019

Enghack 2019 - University of Waterloo

devpost.com/software/airwise

- Developed a real-time air quality monitoring system using an Arduino, sensors and a web interface
- Built a website to retrieve data logged by the sensors, update it in real-time and provide future insights
- Presented to a panel of judges and placed **2nd overall out of over 100 teams**