Mahimul Hoque

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EDUCATION

Hamilton, ON   **McMaster University**   Sept 2017 – April 2022 [Expected]

- **Major:** Computer Engineering, B.Eng.
- **Software Courses:** Software Development, Data Structures & Algorithms, Principles of Programming, Fund. of Machine Learning

EXPERIENCE

Software Developer   **MAX Gala**   April 2021 – Present

Remote, Canada

- Developing a free mental health service using ReactJS, NodeJS, PostgreSQL Engine on AWS RDS that anonymously connects people with similar feelings through a questionnaire and provides the opportunity to talk to connections through online calling service.
- Improving functionality and speed of MAX Aspire, which is a platform to connect aspiring professionals with managers at various companies, by contributing to backend codebase.
- **Leveraging knowledge** in Full Stack Web development, ReactJS, NodeJS, PostgreSQL, Python, AWS technologies (RDS, Cognito, S3, SES, Lambda), GitHub for version control.

Display Software Engineer, Intern   **AMD**   May 2020 – April 2021

Markham, ON

- Saving thousands of hours and millions of dollars over time through critical contributions made to a program to standardize high-speed display connectors by creating main design guides, reviewing partner company schematics and PCB layouts, and developing a program to flash memory in the display connector modules.
- Reduced human error possibilities significantly and reduced procedure time by many times to flash memory of display interface device by building an application that reads and flashes memory with just a few clicks.
- Collaborated with different teams to make a design guide for the application which contained requirements, flowcharts of processes, language and program of choice, and a test plan with importance to user perspective.
- Showed the advantages of using DSC image/video compression against other compression algorithms by creating scripts that inputs images into all the compression algorithms and outputs images after compression and decompression.
- **Leveraged knowledge** in C#/Java programming, Python, Matlab, I2C & SMBUS protocols, Jira, Agile development, technical documentation, and debugging.

PROJECTS

PullUp App

- Developing in a team, an Android and iOS app for individuals to post their home parking spots for people to find and rent.
- Going through entire software development process like a professional work environment.
- Finished design guide and currently producing the front end using React Native.
- **Utilizing** React Native, NodeJS, ExpressJS, PostgreSQL Engine on Amazon RDS, Expo, Google Maps API**.**

Exercise Tracker

- Built an exercise tracking application that lets people create profiles, create exercise logs, and edit/delete existing workouts.
- Used MongoDB Atlas for storing user info and exercises and connected to backend where CRUD functions are implemented.
- **Utilized** MERN Stack, which consists of ReactJS, NodeJS, ExpressJS, MongoDB, MongoDB Atlas.

Portfolio Website

- Created mahimulhoque.com, which is a static user-friendly website about me, my history, and my projects.
- Website was mainly created to develop my software skills by creating clean and scalable code and utilize technologies such as Firebase, which was used to host the website.
- **Utilized** ReactJS, NodeJS, Firebase.

SKILLS

Languages: Java, JavaScript, Python, C#, HTML/CSS, C/C++, Matlab
Technologies: ReactJS, React Native, NodeJS, Firebase, AWS (RDS, S3, Cognito, SES, Lambda), PostgreSQL, MongoDB, Jira, Perforce, Postman