MIR ROHAN AFSAN

rohanafsan.github.io

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SKILLS

- Proficient with C/C++, JavaScript, Java, React, Angular, Node.js, Python, Git, Azure DevOps
- Primarily interested in Android development, Back-end Development, Automation, DevOps

WORK EXPERIENCE

IBM   *May 2022 - August 2022*
Back-end Developer   *Remote*

· Refactored the current **PouchDB** database and implemented a **nano** database to adhere to **FIPS** requirements
· Ran **auditjs** to identify and then upgrade dependencies with security vulnerabilities which included **Node 14** and **nginx**, to improve overall **FIPS** compliance and adherence to security practices for **3** environments.
· Maintained CP4S application which included refactoring **node** modules for better integration with **Node 16**

IBM   *September 2021 - December 2021*
Automation Engineer   *Remote*

· Implemented functional and E2E test cases in **Cypress** for the GCM app to reduce manual testing by **55%**
· Investigated the existing **Geb** automation test cases and refactored code to adhere to the requirements of different functional environments (CP4S/QRadar/UAT) and ensure higher test coverage for each environment

IBM   *January 2021 - April 2021*
QA Engineer   *Remote*

· Created detailed, well-structured automation test cases on IBM's test framework written in **Groovy** for a **Java** platform, increasing automated test coverage by **40%** and reducing manual test efforts significantly

McAfee   *September 2019 - December 2019*
Software Developer   *Waterloo,ON*

· Created a CI/CD pipeline in **Azure DevOps** increasing efficiency of review and deployment by **25%**
· Added Azure integration to **Slack** to notify developers of builds and releases reducing MTTR by **10%**

Ministry of Government and Consumer Services   *January 2019 - April 2019*
Application Programmer   *Toronto,ON*

· Developed a new cross-platform user interface using **Angular 6.0** for the Grants Ontario Portal which included a sign-in page, a user profile, and a multi-stage form. The portal also supported multi-factor authentication

EDUCATION

University of Waterloo   *September 2017 - December 2022*
Bachelors of Computer Science, Honors

PROJECTS

To-Doodle   *To-Doodle.github.io*
-An **Android** productivity app which allows users to visualize their goals in the form of Doodles and Lists
-A **Kotlin** based application that makes use of **MVVM** for its architecture and a **Firebase** back-end for **multi-layer authentication** and **secure storage**.

kindStranger   *kindStranger.github.io*
-A **Twitter bot** designed to analyze a users mental health condition from their tweets
-The app uses **Python's Twitter** module and **IBM's Tone Analyzer API** to analyze a users tweets and returns a score reflective of their mental health condition.