

ARYAMAN SINGH

Computer Engineering, University of Waterloo

© 2269787947
✉ a553sing@uwaterloo.ca
www.aryamans.me



SKILLS

Programming Languages: Java, Python, C++, C#, SQL, Javascript, HTML & CSS

Tools/Frameworks: Azure, React, Firebase, MySQL, Jenkins, Robot Framework, JMeter, Selenium, Testrail

WORK EXPERIENCE

Software Developer in Test, Telus Health

September 2020 - December 2020

- Implemented new frameworks and functional testing using *Python* and *Robot Framework*, reducing regression cycle for new releases from 2 weeks to 1 week
- Maintained nightly regression runs on *Jenkins* to support dev team with stability issues & bugs in the application
- Managed communication between members of QA and Automation team during project discussions & presentations

Software Engineer, PointClickCare

January 2020 - April 2020

- Designed load test using *Apache JMeter* for a *Microsoft Azure* pipeline, responsible for ingesting and storing changes made to patient records using *Event Hubs*
- Implemented automation and bug fixes in then using *Java* and *ZK Framework*, increasing automation coverage by 5x
- Presented research on management of Event Hubs, Azure Portal and JMeter load testing to scrum team and senior software engineers interested in implementing cloud technology in other projects
- Gained experience with *Agile SDLC*, *Jira*, *Testrail* and *Confluence* by managing & documenting usage of these platforms

PROJECTS

Covid Wallet, Borderhacks

September 2020

- Developed a web app to enable cross-border communication of COVID positive status for citizens of border cities
- Designed the frontend of the application using *React* and *Material UI*, and used *Firebase* for the database and hosting
- Won \$100 award as an honorable mention for the AudaciaBioscience Challenge

Selection Panel, Ada Apps Hackathon

August 2020

- Built an interactive selection app to make it easier for customers using the Ada Chatbot to make selections using *Materialize CSS*, *HTML* and *Vanilla Javascript*
- Achieved 2nd Place overall in the Hackathon for the application and market research, winning a \$1000 prize

Focused Search, Waterloo Engineering Competition

July 2020

- Engineered a prototype for a product that could be used by students to search for reliable sources without distractions
- Implemented Google Custom Search API, Wolfram Alpha API and *Python's Tkinter Library* for the project.

OTHER EXPERIENCE

Volunteer, HackTheNorth

September 2019

- Managed activities, workshops and the judging process at the Hackathon while working with numerous other volunteers; helped participants with the rules and regulations of the competition

Head of IT and Design, XMUN Secretariat

July 2017 - August 2018

- Successfully led the technical aspect of the 500+ participant event by communicating with various sponsors, printing agencies and IT Specialists
- Designed website, social media posts and banners for the event using *Photoshop* to attract delegates

Guitarist and Bassist

2009 - Present

- Performed in over 30 music festivals, charity events and school events as a guitarist and bassist, while managing local performances, events and band members within the high school music community

EDUCATION

Candidate for BAsC, Computer Engineering, University of Waterloo

2019 - 2024

1A & 1B Term Dean's Honour List | Engineering International Scholarship & President's Scholarship of Distinction