ARYAMAN SINGH

Computer Engineering, University of Waterloo

✆ 2269787947
✉ a553sing@uwaterloo.ca
🔗 **www.aryamans.me**

SKILLS

Programming Languages: Java, Python, 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 tests and bug fixes 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 user 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 Tkinter Library on top of *Python* to create the app

EXTRACURRICULARS

Strategy Team Member, Midnight Sun Solar Car Team   **January 2021 – Present**

- Implemented new features using *Python* & DASH for a front-end web app that tracks the solar car's route using Leaflet's location services

Guitarist, Bassist & Music Production   **2009 – Present**

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

EDUCATION & CERTIFICATES

Candidate for BASc, Computer Engineering, University of Waterloo   **2019 – 2024**

1A & 1B Term Dean's Honour List | Avg: 93% | Engineering International Scholarship & President's Scholarship of Distinction

Microsoft Certified: Azure Fundamentals (AZ-900)   **February 2021**