Ashok Sasitharan

647-642-4466 | asasitharan28@gmail.com | linkedin.com/in/ashok-sasitharan |

Experience

Full Stack Developer   Apr 2022 – Present
Bell Canada   *Mississauga, ON*

- Worked in Agile team to maintain and develop **Device Automation** framework in Ruby on Rails
- Developed and optimized test scripts in Ruby for Android and web automation to increase **automation efficiency by 40%, saving 2,000+ hours and $200,000 annually**
- Integrated **reverse proxy with Nginx** from front end to device remote control server
- Supported internal customers to assist with tool-related issues that impacted their automated app testing
- Developed and trained a **Dockerized AI micro-service** in Flask that utilizes **YOLOv5** for image detection and **Tesseract OCR** for optical character recognition
- Integrated AI micro-service with automation framework by creating an **API to return coordinates for the framework to interact with**

Projects

C# Durak Card Game | *C#*   Mar 2021 – Apr 2021

- Collaborated in a team of 5 to create a card game in C# with GUI
- Created functional computer player by developing a flow chart of cases the computer player could take and programming the computer player to make the most optimal play based on its current hand
- Integrated advanced gameplay techniques such as swapping the attacker and defender roles when a player plays a card of the same suit as the last played card

Aquarium Simulator | *JavaScript, React, MySQL, HTML/CSS*   Jan 2022 – Apr 2022

- Collaborated in a group of 3 to develop an Aquarium Simulator that allows users to create their ideal aquarium while providing information about whether the tank configurations are viable based on: PH, Size, and Fish Aggressiveness
- Developed the website front end including the 'dynamic simulator' that places selected fish at their respective depths in the tank and scales the fish graphics based on the tank size
- Developed web scraper to scrape fish prices, preferences, and other general information about each fish type available to users

Education

Durham College   Oshawa, ON
Ontario College Advanced Diploma Computer Programming and Analysis GPA:4.79   *Sept 2019 – Apr 2022*

Technical Skills

Languages: Java, Python, Ruby, SQL (Postgres, MySQL), JavaScript, HTML/CSS, PHP, COBOL
Frameworks: Ruby on Rails, ReactJS, Node.js, Flask, Laravel
Developer Tools: Git, Docker, Nginx, VS Code
Other Skills: SAFe/Lean Agile methodology, Microsoft Suite, Strong teamwork skills in professional SWE environment, Corporate presentations