

JAGVEER SANGHA

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SKILLS

Programming: Java, Python, C, VBA, HTML/CSS, Javascript, Solidity, Markdown, Groovy, SQL

Frameworks: React, Node, Opencv, Selenium, Hardhat

Tools: Linux, Jira, Git, MongoDB, Figma, Confluence, Firebase, BitBucket, ArcGIS, RStudio, Postman, MetaMask, Jenkins, UiPath, Tosca, QTest

WORK EXPERIENCE

City Of Brampton

Sept 2024 – Present

Quality Assurance Specialist

Brampton, Canada

- Utilized Tricentis **Tosca** and **Qtest** to automate test applications and cases, reducing manual testing time
- Developed and executed automated scripts for **functional**, **regression**, and **system** testing across multiple platforms

Frequency Entertainment

Jan 2024 – June 2024

Automation Engineer (Python/Excel)

Toronto, Canada

- Developed and implemented **Excel** macros and **VBA** scripts to automate repetitive tasks, reducing manual effort and errors
- Automated data collection and reporting processes via **Python**, ensuring timely and accurate reporting for management and clients

TD Canada Trust

Jan 2023 – Oct 2023

Software Engineer Intern III

Toronto, Canada

- Utilized **Linux** and **Oracle virtual machines** for script execution in various environments. Monitored logs to ensure optimal system performance
- Experienced in working with **back-end systems** for **large-scale consumer applications**, including Easy Apply, which managed client data for **10,000+** users
- Optimized and updated shell scripts to automate tasks and streamline virtual machine processes. Analyzed data in **Oracle MySQL** to ensure seamless script functionality

TD Canada Trust

May 2022 – Aug 2022

Software Engineer Intern II

Toronto, Canada

- Automated common tasks for **5 people** using **UiPath**
- Analyzed the feasibility of existing processes suitable for automation
- Defined and designed **end-to-end** project plans with **3 execution teams**

TD Canada Trust

Sept 2021 – Dec 2021

QA Engineer Intern III

Toronto, Canada

- Upgraded logic for **Python** tools and scripts for **automation test management**. Reduced the time taken to evaluate each test case by **5 seconds**
- Implemented CI/CD with **Jenkins**. Developed jobs to run automated test suites and created Pipelines using **Groovy**
- Improved **BDD Test Automation Framework** with upgrades utilizing **Java**

Creaton

Jul 2021 – Sept 2021

Jr. Software Developer

Remote, USA

- Engineered **smart contracts** using **Solidity** to connect to Blockchain and create NFTs
- Streamlined the connection between a user's wallet and the application utilizing **Hardhat and MetaMask**
- Patching critical vulnerabilities and exploits

PROJECTS

Excel Encryption and Decryption Software

- Encrypted** data within Excel files using **VBA** and transferred the encrypted data to **Microsoft Access Database**
- Displayed a visual graph of the number of characters from the encrypted data

Epic Games Automation Script

- Automated Epic Games **back-end interaction** using **Python**, fetching and cataloging weekly free game lists
- Script outputs a text file and sends email notifications weekly for **seamless** updates

EDUCATION

Wilfrid Laurier University

Sept 2019 – Aug 2023

BSC Honors Computer Science

Waterloo, Canada