

Aniruddh Rao

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Skills

Languages: Python, C++, C#, XAML, WPF, .NET Core, SQL, JavaScript, TypeScript, HTML/CSS

Tools: DevOps, Git, VSCode, VMware, Batch, PowerShell, Jenkins, Ansible, VBA, Linux, PowerBI, React.js, Angular.js

Professional Experience

Site Reliability Automation Analyst

May 2023 – present | Toronto, ON

Royal Bank of Canada

- Implemented a streamlined automation pipeline, using Tanium and Ansible Tower API to deploy requisite packages across targeted servers resulting in a 40% reduction in deployment time for Stonebranch and Dynatrace installation requests retrieved from ServiceNow.
- Conducted an in-depth analysis of memory leaks on a specific server by retrieving and analyzing crucial Grafana dashboard data. Identified and resolved memory leaks, leading to a 20% improvement in memory utilization.
- Designed Grafana dashboard for AIX servers utilizing PromQL queries to collect and visualize critical time series metrics such as CPU utilization, memory usage, disk I/O, and network traffic to monitor any issues that arose proactively.

Automation Test Engineer Intern

Sep 2022 – Dec 2022 | Mississauga, ON

OpenText

- Automated 40 test cases for Carbonite Server Backup tool to decrease the toll on manual testing during regression.
- Demonstrated ability to quickly learn and effectively utilize in house test framework, significantly increasing team's testing efficiency and software quality.
- Designed test cases for Windows agent to create a volume image backup and restore when change block driver is not installed. Used Batch and PowerShell to delete registry keys and files associated with the driver.
- Enhanced two framework commands using C# to handle backup or restore job failures, resulting in a 15% reduction in response time hang.

Software Developer Intern

Jan 2022 – Apr 2022 | Waterloo, ON

Bell and Howell

- Created the user interface for the automated service engine that allows patients to retrieve their medications using C# and XAML. Used input from users and implemented their preferences to make the service machines
- Designed an app that allows Japanese vendors to transform their XML data into CSV data and added encoding for Japanese characters.
- Redesigned the user interface of Simulator applications by including advanced legend controls in the dashboard GUI using XAML, C# with the .NET framework.
- Developed GUI and functionalities to allow existing internal UI simulators to have capabilities of shipping services for UPS delivery services.

Projects

Chatlify App, React.JS, JavaScript, HTML/CSS

Jun 2021 – Jul 2021

- Designed a web chatting app that will enable you to create several chatrooms and add up to 25 users per chatroom
- Used **CSS** to create online statuses, sound notifications, message indicators and an excellent user navigation
- Implemented **MaterialUI icons** to create stylistic image insert and send icons
- Employed **React Hooks** such as `useEffect` to manage user authentication

Arduino Sanitizer Dispenser, Arduino

Feb 2020

- Created an automatic hand sanitizer dispenser using **Arduino Nano**, an ultrasonic sensor, and a 12v pump to try and avoid touch during Covid-19
- Developed embedded system for real-time calculations using ultrasonic sensor and Arduino microcontroller to calculate proximity between sensor and hand
- Integrated a 12v pump into the system and **programmed functions in C** to eject sanitizer into the hand

Reddit Bot, Python, Praw

Dec 2020

- Developed a **Reddit bot** using **Python** that scan for keywords from Reddit and automatically comments on posts relevant to keywords
- Implemented keyword search on Reddit posts using **Praw** library and the **Python Reddit API** to scan Reddit text data
- Automated comment posting using the wrapper's built-in procedures and methods to post comments

Education

University of Waterloo,

Waterloo, ON

Candidate for BASc Honors, Mechanical Engineering

2021-2026