

# Ryan Chisholm

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## TECHNICAL SKILLS

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**Programming Languages:** Java, Python, C, C++, C#, R, SQL, VBA, ARM Assembly, COBOL, JCL, REXX, CLIST  
**Frameworks and Libraries:** Node.js, react.js, express.js, Flask, .NET Core, pandas  
**Software:** RACF, z/VM, z/OS, z/TPF, TSO, AWS SDK, Firebase, Google Cloud, IBM Z, git, Github, Microsoft Access Database, Microsoft Excel  
**Soft Skills:** Leadership, Time Management, Communication, Bilingual, Persistence, Strong Work Ethic, Business Knowledge, Financial and Economic Background

## EDUCATION

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### Wilfrid Laurier University

*Honors Bachelor of Science in Computer Science, Minor in Business*

Waterloo, On

*Sept 2022 - Sept 2026*

## RELEVANT EXPERIENCE

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### Technical Systems Analyst - Credit System Services

*Royal Bank of Canada*

Toronto, Ontario

*May 2025 - Present*

- Responsible for automating variety of processes using github actions, by using javascript and yaml
- Built jobs to automate checks before deployment
- Wrote automation's to increase security checks for internal ServiceNow requests

### Technical Systems Analyst - Mainframe Operating Systems

*Royal Bank of Canada*

Toronto, On

*Sept 2024 - Dec 2024*

- Implemented changes and fixes to development and production environments to improve efficiency, functionality and useability, using JCL and REXX on the RACF platform
- Migrated over 100 outdated products to new versions of COBOL and z/OS
- Automated tasks for production applications such as DB2 and IMS using Python
- Assisted in decommissioning of remote locations for business communication networks

## RELEVANT PROJECTS

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### FileStore Cloud Storage Application | *Node.js, react, AWS SDK, Firebase*

March 2024 - July 2024

- A cloud based file storage web application, where users may store files on their account, allowing them to access their data across multiple devices
- File data is stored on and retrieved from the cloud using Amazon S3 buckets, and Firebase authentication is used for user sign in and registration, UI and elements are implemented using react and Node.js

### OpenFintech | *Python, Alphavantage API, Pandas*

Aug 2023 - Jan 2024

- Comprehensive financial analysis library, to enhance the utilization of the Alphavantage stock market API, providing users with a variety of functions and models tailored for seamless data extraction and analysis
- Contains a wide range of methods, helping users to effortlessly retrieve financial statements, real-time market values, endpoint quotes, and other critical data points from the API
- OpenFintech package was designed to interact with the Alphavantage Stock Market API, allowing users to tap into a wealth of financial data

### ExTracker Banking App | *React, Next.js, Express.js, Firebase*

March 2023 - May 2023

- A dynamic and intuitive web application focused on empowering users to take control of their finances
- An easy way for users to input and categorize their spending data, analyzes input to recommend changes they need to make to meet their budget
- Utilizes the Firebase realtime database and authentication service to store and retrieve user data efficiently and securely