




Aayush Sheth

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SKILLS

Languages: C#, SQL, Python, Java, C, Bash

Tools: AWS, PowerBi, Urban Code Deploy, Jenkins, Git, Docker

EXPERIENCE

Scotiabank – Software Engineer, High Value Payments April 2021 – Present

- Developed classification rules within payment engine using Java causing an increase in the overall success rate of high value payments from 86% to 90%
- Improved name matching rate from 8 hours to 2 hours within payment hub by implementing fuzzy string matching algorithm
- Created dashboard for analyzing and visualizing payment metrics such as success rate, uptime, fraud rate, etc. using Python, MySQL and PowerBi

Canadian Imperial Bank of Commerce – Application Developer Intern May. – Aug. 2019

- Developed address parsing engine using Java to support address validation in CIBC's mortgage approval application ensuring no data degeneration occurred during downstream data processing
- Led initiative to convert Unix scripts into standalone Java applications used by front office teams to save them time and improve accessibility to applications
- Used Firebase to deploy an app which provided real estate information such as square feet, date of construction etc. when given an address within the Greater Toronto Area
- Reconstructed Java code to fix incorrect server response errors, saving hours in code refactoring time and company resources

Rogers Communications – Automation Technician Intern May. – Aug. 2018

- Outlined areas of improvement and streamlined processes within the Software Development process through robotic process automation tools
- Designed and developed various processes such as verification, error-handling, and utility functions, etc. resulting in reduced code maintenance time and increased code reusability and robustness
- Designed components, created build and configuration files, and wrote system health scripts for pre deployment verification within uDeploy pipeline
- Wrote Unix scripts and Python bots to automate processes reducing deployment time from 45 minutes to 17

Royal Bank of Canada – Software Developer Intern May. – Aug. 2017

- Developed internal file directory service using C# for easier access to company forms resulting in a decrease of hold time with clients by up to 3 minutes and reducing overall hold time by 35%
- Wrote VBA scripts to automate tasks consisting of cell/table formatting, pivot tables, lookup functions, and formula updates, increasing overall efficiency within the Client Care and Optimization Team
- Analyzed department effectiveness by extracting performance metrics from a MySQL database and visualizing the results using PowerBi and creating biweekly reports for senior managers

PROJECTS

Recommendation System, See More: <https://bit.ly/35VZJbd>

- Built a movie recommendation system with Jupyter that uses a SVD and collaborative filtering approach to find latent vectors from a 100k dataset, which are then used by the model to make rating predictions and recommend unseen movies

EDUCATION

Wilfrid Laurier University, Honors Bachelor of Computer Science

Sept. 2016 – Nov. 2020