

# Yaman Malik

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## EXPERIENCE

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### Associate Software Engineer

Jan. 2023 – Present

*Fidelity Investments*

*Boston, MA*

- Developed an internal front-end tool for the Fidelity Bloom Application, allowing admins to easily correct missing user data
- Utilized Terraform and Jenkins to aid in pipeline creation of new components for the Municipal Securities Rulemaking Board Application; migrated repositories to GitHub
- Developed a Branch Information file reader utilizing AWS Lambda, S3, and Java to aid in migrating data from mainframe to cloud databases; migrating 17K+ records per file

### Software Developer

Jan. 2022 – Sep. 2022

*Rogers Communications*

*Brampton, ON*

- Developed scripts using Python and Selenium to automate the creation of Salesforce release notification banners, resulting in an 80.0 reduction in completion time
- Utilized a REST API (salesforce bulk), Python and SOQL queries to automate and improve the process of multiple manual data updates/deletions
- Optimized storage space by performing data deletion of over 3M+ records from final integration testing environment using Salesforce Data Loader
- Increased DevOps team efficiency by aiding with back promotion and deployment processes in Copado production environment

### Computational Thinking Mentor

Sep. 2021 – Dec. 2021

*York University*

*Toronto, ON*

- Hosted weekly tutorial-like sessions for a first-year computer science course of 300+ students
- Utilized flowchart diagrams to introduce computer science students to introductory programming concepts and help them approach problems algorithmically

## EDUCATION

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### York University

Sep. 2019 – Dec. 2022

*Honors Bachelor's of Science in Computer Science*

*Toronto, ON*

- Coursework Completed: Design and Analysis of Algorithms, Big Data Systems, Information Networks, Operating Systems, Database Systems, User Interfaces, Object-Oriented Programming

## PROJECTS

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### Multimedia Client | *Java*

- Developed a client that streams video from a server using UDP and TCP protocols
- Implemented the Real-Time Transfer Protocol and Real-Time Streaming Protocol by managing packets, extracting header data and delivering payload
- Enhanced application by implementing a buffering system to resolve playback issues and handle missing frames resulting in a smooth streaming experience

### Personal Website Portfolio | *HTML, CSS, JS*

- Personal website designed from scratch. Implemented elements from the Bootstrap framework to streamline website design and increase cross-platform optimization. The site is live at: [yamanmalik.com](https://yamanmalik.com)

### Sentiment Analyzer | *Python, Pandas, NLTK, Jupyter*

- Created an application to gauge the sentiment in a set of apps from the google playstore
- Used pandas to parse through data contained in csv files into an array
- Utilized Python's nltk library to perform natural language processing; pre-processing reviews, analyzing sentiments of each app and utilizing LDA models to create a list of topics for each app

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, SQL, JavaScript, HTML/CSS, Q

**Frameworks:** Angular, Spring, MyBatis, JUnit

**Tools:** Git, Docker, AWS, Maven, Jenkins, Terraform, Datadog, Postman

**Libraries:** pandas, NumPy, Matplotlib, networkX, nltk