

Yaman Malik

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EXPERIENCE

Associate Software Engineer

Jan. 2023 – Present

Fidelity Investments

Jersey City, NJ

- Utilized **Java, Maven and Spring Boot** to develop a REST API to retrieve regulatory reporting data; displayed to clients on an internal web interface built with **Angular**
- Developed a file reader utilizing **AWS Lambda, S3, and Java** to aid in migrating data from mainframe to cloud databases; migrating 17K+ records per file
- Built an internal tool using **Angular** for the Fidelity Bloom Application; providing a centralized UI for admins to correct missing user data
- Utilized **Terraform, Jenkins, and Amazon EKS** to host projects and promote to higher environments

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% reduction in completion time
- Utilized a **REST API (salesforce.bulk), Python and SOQL queries** to automate manual data updates/deletions, performing data deletion of over 3M+ records

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

York University

Sep. 2019 – Dec. 2022

Honors Bachelor 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

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

- Performed data scraping to extract reviews on a set of applications from the Google Play Store to use for Sentiment Analysis
- Pre-processed app reviews and utilized substring matching to examine the efficiency of extracting features manually versus n-gram extraction
- Utilized different sentiment analysis tools to compare and contrast the precision of their polarity output
- Performed topic modelling using LDA to extract 10 topics from the reviews for each application

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

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

TECHNICAL SKILLS

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

Frameworks: Angular, Spring Boot, JUnit, Mockito

Tools: Git, Docker, Kubernetes AWS, Maven, Jenkins, Terraform, Postman, Swagger

Libraries: pandas, NumPy, Matplotlib, networkX, nltk