

RASHEL ROJAS

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PROGRAMMING EXPERIENCE

Goldman Sachs

Jun 2021 – Aug 2021

Engineering Summer Analyst | Global Markets Division

Dallas, TX

Global Credit Technology Team

- Optimized storage system of a pre-trade analysis tool called Troodon, which generates and stores Bond Analysis Worksheets (BAWs) into a local folder used by the CLO Secondary Trading desk of 15 traders
- Created a Procmon script in Slang (GS proprietary language) to transfer BAWs older than 2 years from local to cloud storage in Goldman Sachs' main cloud storage system, OBS2
- Successful in freeing up hundreds of gigabytes of space, which came at a crucial time considering local storage was at 90% capacity and the recent uptick in CLO trading

GMD Managed Data Services Team

- Enhanced Goldman Sachs [Marquee Data APIs](#) to provide new API parameter to allow clients to filter assets from their composite asset collections using **Java**, Vert.x, IntelliJ, and GitLab
- Learned about financial data referencing and cross identifiers

Major League Hacking Fellowship

Jun 2022 – Aug 2022

Production Engineering Fellow (Meta)

Remote

- Completed 12-weeks of structured curriculum-based learning covering core Production Engineering topics, supplemented with events/workshops hosted by industry experts
- Created an open-source personal [portfolio website](#) template using **Python, MySQL, Jinja, Flask, JavaScript, Docker, Nginx**, and **unittest** with **automated testing** and **deployment** workflows using **CI/CD**
- Set up system and container monitoring, alerting, and visualization using **Prometheus** and **Grafana**

Red Hat

May 2020 – Aug 2020

Software Engineering Intern | Middleware Integration Team

Boston, MA

- Worked under Babak Mozaffari on a team of 13 software engineers on the development of OpenShift / **Kubernetes** operators for Red Hat and upstream open-source products
- Implemented CR/CRD validation and ConsoleLink creation for 5 operators (3scale, Teiid, Apicurio, Hawtio, Syndesis) using **Go** and verified operator deployment via the OpenShift Container Platform

EDUCATION

Columbia University

New York, NY

Bachelor of Science in Computer Science, GPA: 3.5

May 2023

- Honors: Dean's List
- Coursework: Data Structures in Java, Intro to Python, Advanced Programming in C, Intro to Databases, Analysis of Algorithms, Clean Object-Oriented Design in Java, Operating Systems, Multivariable Calculus
- Organizations: Rewriting the Code (RTC), SHPE, Womxn in Computer Science, Women Who Code

TECHNICAL SKILLS

Programming Languages: Python, Java, C, MySQL, JavaScript, Django, Flask, HTML, CSS, Bootstrap, Golang

Technologies/Tools: APIs, Git/GitHub, CI/CD, Docker, Linux/UNIX, Postman, Travis CI, Neo4j, OpenShift Container Platform

PROJECTS

Automated Spotify Party Playlist

Mar 2024 – Present

- Using the **Spotify API** to create a web app that automatically generates playlists for parties/gatherings based on collaborators' top tracks and given the host's desired genres and playlist duration using **Python, Flask, HTML/CSS**

Latin Music Networking App

Jun 2022 – Aug 2022

- Developed backend **API** for a Latin music networking app using **Django, Python, MySQL**, and **Postman**

Personal Portfolio Website

Dec 2023 – Jan 2024

- Built and set up a dynamic portfolio website using **HTML, CSS, JavaScript**, and **Bootstrap** with **automated testing**
- Displayed personal GitHub repository projects using the GitHub API

Social Movement Tracker | Google Software Product Sprint

Feb 2021 – May 2021

- Collaborated with a team of peers to design a [web app](#) that serves as a community-made resource guide for ongoing social movements using **Java, JavaScript, HTML/CSS**, and Maven over the course of 10 weeks, leveraging various **Google Cloud Platform APIs**, including **App Engine** and **Datastore**
- Implemented the backend to allow users to submit new social movements and to pull popular tweets related to each social movement using the **Twitter API** and Twitter4J library