

# Shaon Talukdar

[shaon.talukdar@gmail.com](mailto:shaon.talukdar@gmail.com) | [github.com/stalukdar7](https://github.com/stalukdar7) | [linkedin.com/shaontalukdar](https://www.linkedin.com/shaontalukdar) | [www.stalukdar.dev/](http://www.stalukdar.dev/)

## EDUCATION

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### The University of British Columbia

*Bachelor of Commerce, Combined Major in Business and Computer Science*

Courses: Object Oriented Programming, Data Structures and Algorithms, Introduction to Computer Systems

Exp. April 2024

*Vancouver, Canada*

## EXPERIENCE

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### Software Engineer Intern

*Asana*

- Incoming Summer 2023!

May 2023 – August 2023

*San Francisco, California*

### Software Engineer Intern

*Aviatrix* | Go, Python, Terraform

- Implemented pagination in responses from the API, did this by sorting Response keys chronologically, implemented a delimiter in the request and formatted the response paginated appropriately
- Reduced build time by 25% and wrote integration tests using the pyATS library to test server side gRPC and Protobuf base confirming integration with the Python client
- Wrote Terraform Scripts to build custom AWS topologies consisting of various VPC's, Gateways, Transit Gateways in conjunction with the Aviatrix controller

May 2022 – August 2022

*Vancouver, Canada*

### Technology Analyst Intern

*Tartigrade* | Excel, SQL, VBA

- Created an automated Historical Data Spreadsheet, which fetched and filtered data effectively from the brokerage in a JSON format
- Used Visual Basic for Applications to create a logging function, which allowed end of day statistics to be logged automatically
- Created batch query API calls that pulled stock and option data to be stored in an SQL server with specified schedules and criterion

May 2021 – August 2021

*Calgary, Canada*

## PROJECTS

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### sprout.fyi | *Go, React, Bootstrap, Figma*

- Spearheaded development of sprout.fyi, an all-in-one job board for CS internships to help students kickstart their careers in tech. Combined data from various sources, including company, position title, salary range, visa sponsorship, and Leetcode problems
- Designed and implemented a resume helper feature to optimize resumes for job applications keywords, streamlining the process and increasing users' chances of success
- Employed web scraping techniques to gather and parse data from various websites, including Levels.fyi and GitHub pages, to create a comprehensive job board for CS internships. Aggregated and presented relevant job information in a user-friendly format for students seeking internships and early-career positions in tech

### Portfolio Tracker | *Java, JUnit, JSwing, Maven*

- Developed an interactive Java Desktop application which allows users to create a portfolio consisting of options and equities, track them live through the Yahoo Finance API endpoint, graph portfolio value through the JFreeChart Library, and automated a cron job allowing for regular historical data inputs
- Created a persistence system which allowed user portfolio's, historical data and transactions to be saved and parsed in a JSON format
- Built the application focused on test-driven development done through Unit Testing. Implemented the application using the Java Swing library, creating a graphical user interface which does all the features specified above and enhances user ease of use

## TECHNICAL SKILLS

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**Languages:** Java, Python, Go, JavaScript, HTML/CSS, R

**Developer Tools & Frameworks:** Git, Maven, FireBase, AWS, Azure, Google Cloud Platform, React, JUnit, JSwing