

Sagar Vrajala

Software Engineer

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PROJECTS

Cloud IDE, (*Java* | *Applied Data Structures and Algorithms*)

Contributed to an online IDE used to edit and run code by implementing features in the back-end using various data structures and algorithms.

- Implemented features such as loading files into memory, quickly searching for text, cut-copy-paste, search-replace, and undo-redo.

Visual Stock Portfolio Analyzer, (*Java* | *Spring Boot* | *Gradle*)

Worked on the back-end of a visual stock portfolio analyzer tool.

- Worked on adding integrations to 3rd party API's, parsing JSON data, refactoring code, publishing it as a local library, and enhancing performance using multithreading.

TV Shows Tracker, (*Python* | *Flask* | *SQLAlchemy*)

Worked on a web application that can hold information related to television shows and films.

- The application allows searching for shows/movies via a 3rd party API, customizing results into lists, and maintaining these lists by specifying details such as current season, episode, giving ratings, among others.

SKILLS

Programming / Scripting Languages

Java, SQL, Python, HTML/CSS

Frameworks

JavaFX, SQLAlchemy, Flask, Apache Cayenne

Version Control Software

Git, GitHub, GitKraken

Tools / IDEs

Android Studio, Scene Builder, UNIX Terminal, Atom, Postman, Wireshark, IntelliJ

Build Tools / Package Managers

Gradle, Make, NPM, Pipenv

Misc

Homebrew, Valgrind, Jenv

PROFESSIONAL EXPERIENCE

Crio Launch 2020, Student Developer

January 2020 – April 2020

Worked as a Backend Developer, contributed to and built projects and gained various product development skills and insight into best practices when it comes to building software.

EDUCATION

SRM Institute Of Science And Technology, BSc Computer Science

July 2017 – present

- GPA : 8.83 / 10.00

CERTIFICATES

Build a Modern Computer from First Principles : From Nand To Tetris,

May 2020

Hebrew University Of Jerusalem 

Object Oriented Programming with Java, part I, University of Helsinki

October 2018