

# Angad Singh

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<https://singha95.github.io/about-me/>

I am a software developer with 3 years of experience with an interest in back-end development and machine learning.

## Work Experience

### Software Developer | Government of Canada

Aug 2021 – Current

- Developing web applications to be used internally by the government. Following agile methodologies using the Atlassian suite (JIRA, Confluence) to ensure stable deployments and clear communication.
- Integrating new services to work seamlessly with application in order to add new features.
- Improving data management by assuring data is deleted from database and rollbacks are done appropriately.
- Technologies: JavaScript, Java, Angular, HTML/CSS, Docker, Git

### Software Developer | Bell Canada

June 2020 – July 2021

- Developed dashboards to display competitor mobile network speeds across Canada using Python Dash, Flask, MariaDB, Elasticsearch and Hadoop.
- Utilized the Slack API to create detailed alerts on market changes of competitors in order help predict competitor announcements or changes.
- Scrapped webpages to get information about incoming competitor site request, using selenium.
- Utilized the Atlassian suite (JIRA, Confluence) to maintain clear communication with team members.
- Technologies: Python, Flask, HTML/CSS, SQL, Docker, Git

### Project Engineer | Evertz Microsystems

May 2018 – Jan 2019

- Automated the pre-processing and transcoding of assets so that our customers were able to distribute videos.
- Developed the primary scripts for NBCU's non-linear delivery of assets to media service providers to transfer assets to various locations using different transfer methods, such as Signiant and Faspex.
- Refactored SQL queries and reduced run time of queries by 50%, to migrate to a new DBMS (MariaDB).
- Technologies: JavaScript, Python, SQL, DB2, MariaDB, Git

## Technical Skills

Languages: Python (Experienced), SQL (Experienced), JavaScript (Proficient), Java (Proficient), C/C++ (Proficient), C# (Prior Experience Proficient), Bash (Proficient)

Frameworks/ APIs: Angular, React, Node.js, Bootstrap, Numpy

## Personal Projects

### MLB Analytics | JavaScript, Bootstrap, React, Node JS

Aug 2019 – Sept 2019

[https://github.com/singha95/mlb\\_analytics](https://github.com/singha95/mlb_analytics)

- Utilized the MLB Stats API to create an interactive web app that will display stats and rosters of MLB teams.
- Deployed the web app using Heroku. (<https://mlb-player-analytics.herokuapp.com/>)
- Implemented support for mobile devices to ensure that the app is compatible with multiple devices.
- Performed user testing to receive feedback to help make the UI more engaging and easier to use.

## Education

### Honors Bachelor of Science, Specialist in Computer Science

University of Toronto  
Focus in Artificial Intelligence