


# Parth Thakkar

Software Engineer

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 [github.com/parththak](https://github.com/parththak)

## SKILLS

### Languages

Python, Java, JavaScript (React, Node, Express),  
C, HTML, CSS, SQL

### Tools

Docker, Dialogflow, Firebase, JIRA, MongoDB,  
MySQL, BitBucket

## EXPERIENCE

### Architech, Toronto, ON — Software Engineer Co-op

SEPTEMBER 2019 – DECEMBER 2019

- Implemented a **Google Assistant** voice and text based conversational interface for a client that supports several flows using **Dialogflow**, **Firebase**, **NodeJS** and successfully deployed the application on **Google Cloud Platform**.
- Reduced the user wait time for the voice assistant by up to 30% by minimizing database calls and optimizing user queries to provide a smooth user experience.
- Developed a vocal user interface using **Dialogflow** and **Microsoft Azure** to allow all employees to check availability and book meeting rooms on Outlook using Google Assistant on their mobile device.

### IFDS, Toronto, ON — Software Developer Co-op

SEPTEMBER 2018 – DECEMBER 2018

- Managed changes and fixed defects using JBoss IDE for a **Java** and **AngularJS** web application for several different web clients and ensured the application meets quality assurance standards.
- Tested and deployed server-based web applications using **Jenkins** automation server and managed repositories using **JIRA** project management tool and git version control.
- Updated the back-end database with new client information by adding and modifying columns using **SQL** queries on the **MySQL** Workbench application and ensured the customers can access up to date information.

### CIBC, Toronto, ON — Application Developer Co-op

JANUARY 2018 – APRIL 2018

- Developed **Informatica** transformations and **SQL** queries to manipulate data and use the **ETL** process to load the data into a target table, allowing the data to be documented.
- Documented **Autosys** jobs to provide a detailed overview of the modified files and box jobs which enabled team members to easily access the job flows to implement them.

## EDUCATION

### University of Toronto, Hons. B.Sc. in Computer Science, Specialist in Software Engineering

SEPTEMBER 2016 – APRIL 2021

## PROJECTS

### CrewTube — Programming on the Web

APRIL 2020

- Developed a web application that allows for synchronized viewing of Youtube and Twitch media by up to four users with video and text chat using **Socket.IO**.
- Implemented the user interface using **React.js** which interacts with a **MongoDB** NoSQL cloud database using **GraphQL** queries to allow for fast data transfer.