Parth Thakkar
Software Engineer

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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 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** and **WebRTC**.
- Implemented the user interface using **React.js** which interacts with a **MongoDB** NoSQL cloud database using **GraphQL** queries to allow for fast data transfer.