

Manas Thaker

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SKILLS

- **Languages:** Python, C++, SQL, C#, Java, TypeScript, HTML, CSS, JavaScript, Scheme, GraphQL
- **Tools/Technologies:** Git, Angular, React, Flask, Node.js, Express, ASP.NET Core

EXPERIENCE

- **HomeX** Toronto, ON
Software Engineer *Jan 2021 - Apr 2021*
 - Developing back-end features for the Schedule Engine Product using Node.js, Express, and GraphQL
 - Wrote and updated unit and integration tests to account for new features added to the microservices
- **BDO Canada LLP** Mississauga, ON
Full-Stack Microsoft Developer *Sept 2019 - Dec 2019*
 - Worked on an Angular web application to allow upper management to assign, manage and track employees working on projects within the company utilizing Microsoft Technologies including C#, ASP.NET Core MVC, Entity Framework, and SQL Server
 - Built data validators for all form data within the application to preserve data integrity
 - Wrote APIs and designed database schemas to assist with the management of project budgets and revenue generated by each employee of the company
 - Populated application dashboard with dynamic visuals and charts utilizing the Google Chart API
- **Canadian Tire** Toronto, ON
Full-Stack Developer *Jan 2019 - Apr 2019*
 - Developed and maintained a store mapping web application that provides store dealers with information including sales of products within every aisle of the store using Flask, MySQL, and JavaScript
 - Implemented scripts in Python to automate the data manipulation process and reduced store mapping time from 16 hours to 4 hours per store
 - Designed the production database to manage user authentication and sensitive sales data for over 500 locations
- **Kenna** Mississauga, ON
Web Application Developer *May 2018 - Aug 2018*
 - Maintained and optimized stored procedures, functions and scripts in SQL Server, reducing latency by 60%
 - Wrote backend agents using LotusScript and SQL to create tables, extract data, and perform scheduled procedures
 - Updated code, resolved bugs, and added new features on applications developed for BASF Canada and BASF Australia using HTML, CSS, and JavaScript

PROJECTS

- **C (Subset) Compiler** C++
 - Wrote a compiler to convert a subset of the C programming language to MIPS Assembly code using LR(1)-Parsing
- **Focus** MongoDB, Express, Angular, Node.js
 - Produced a time management application with user authentication that monitors time spent by the user during work periods and break periods
- **Inventory Watch** Python, Flask, React
 - Collaborated with a partner to develop an application that watches to see if a product found at a given URL changes from out of stock to in stock and notifies the user
 - Implemented multiprocessing to support running multiple instances of product availability tracking

EDUCATION

Bachelor of Computer Science *University of Waterloo* 2017-2022 (expected)
Relevant Courses: Algorithms, Operating Systems, Compilers, Object Oriented Programming