

Haisem Jemal

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Education

Seneca College

April 2017 - December 2020

Advanced Diploma: Computer Programmer and Analyst

- Program Coursework: Algorithms & Data Structures, Client & Server Side Development, Data Communications, Database Systems Design, Operating Systems

Experience

Servify

November 2020 - February 2021

Software Engineer Intern, Core API team

Toronto Ontario

- Contributed to the technical design and development of several API endpoints with performance and scalability in mind using Node.js
- Refactored and optimized a 1300 line function down to 750 lines all while keeping the same functionality intact as well as cutting costly database calls
- Designed and implemented 2 MySQL tables
- Wrote API documentation for front end team to refer to
- **Technologies Used:** Node.js, Loopback.js, MySQL

ShoeCadet

July 2020 - August 2020

Full Stack Developer, Contractor

Toronto Ontario

- Developed key front facing features using the Next.js framework (of React.js)
- Designed RESTful backend server using Node.js, enabling shoes to be stored persistently in a cloud based database
- Implemented Stripes payment API to handle payments for local and international customers
- **Technologies Used:** Next.js, Node.js, MongoDB

Independent Projects

ChatApp

February 2021

- Developed a chat application which allows users to create their own rooms and join other rooms for instant messaging
- Backend designed and written using Python and Django. Database designed using MySQL
- Frontend written using React.js
- Socketio used to keep connection open for instant messaging
- Hosted on DigitalOcean

InstaFlame

February 2021

- Developed a working model of Instagram, with many of it's core features completely functional
- Written using React.js, Redux used as a state management
- Designed RESTful backend server using Python and Django while incorporating JWT's for authentication
- MySQL used as the database to store users information
- Hosted on DigitalOcean

Skills

- **Languages:** Python, Javascript, SQL, React.js, Node.js, Next.js, Redux, MongoDB
- **Software:** MySQL
- **Systems:** Linux, OSX, Unix