

ABDALLA SARHAN

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Summary

I am a passionate third year Computer Engineering student looking to continue growing my knowledge and skills by gaining valuable experience in the real-life application of technology. I am eager to work in a team to learn and apply my knowledge to solve problems and deliver the best results.

Skills

- **Programming Languages:** Java, C, python, JavaScript, TypeScript, HTML and CSS.
- **Web/Mobile Development:** React.JS, Node.JS, React Native, Express.js, Material UI, Spring Boot, Docker, AWS, Firebase.
- **Databases:** SQL and NoSQL.
- **IDE's:** VScode, IntelliJ, Eclipse.
- **Collaboration and Version Control tools:** Gitlab, Github.
- Backstage by Spotify for building developer ecosystems

Education

York University | Toronto, ON | Expected in 04/2024 | **Bachelor of Engineering:** Computer Engineering
Relevant Coursework: Java and advanced OOP, Fundamentals of Data Structures, Embedded Systems, Computer Organization, Software Design, Communication Networks.

Projects

Portfolio - My Portfolio Website - This is my [website](#) where you can find more information about me and my projects.

CampUnity - Full Stack Mobile Application– Inspired by my vision for creating a connected university community. I built a mobile application using **React Native CLI** and **Firebase** for the backend. The main functionalities of this project are like a buy and sell marketplace. In addition to that, users have a dedicated "services" section for ideas or services that they may want to test around campus with fellow students as customers. A feature in planning is a promotional section for university clubs and other activities around campus. This project will continue to undergo improvements.

WhereTo – Full Stack Website – Consists of a login and registration system using **JWT** and **PostgreSQL** to store the data, in addition to hashing the passwords. Once you log in you can post trips and see who has posted trips. The frontend of this website was implemented with **React.JS** and bootstrap for styling. The backend server built using **Express.js** with **Node.js**. Used **React context API** to pass trips and render in different components. **Axios** for making requests to the server.

Work Experience

Software Engineer CO-OP | Bitspire inc - Toronto, ON | 05/2022 – 09/2022

- Developed frontend components and user experience on web application project using TypeScript, React, Gatsby, and Recoil. Made GraphQL queries to retrieve data for display.
- Migrated an email notification Pulsar microservice from Node.js to Scala and ZIO by creating the producer and consumer following the publish-subscribe messaging pattern.
- Developed full stack Backstage plugins in a Monorepo including but not limited to a plugin that made API calls to an Iglu Registry server to retrieve, create, and update JSON schemas. Organized the vendor, schema and version in dynamic drop downs that get populated according to user's selections. user has option of displaying retrieved schema as a form using react-jsonschema-form.

Owner | Car Detailing Business - EDMONTON, AB | 06/2018 - 08/2021

- Led opening of business and creation of operational procedures and advertisements/promotions.
- Trained teams on specific operations, applicable procedures, and techniques for each job site.

Host | Tutti Frutti Breakfast and Lunch - Edmonton, AB | 01/2018 - 09/2020

- Greeted guests and gathered information to seat groups or place on waitlist.
- Supported serving staff, food runners and bussers to keep dining room presentable and ready for guests.