

ABDALLA SARHAN

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Summary

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

Skills

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| <ul style="list-style-type: none">• Languages: Java, C, python, JavaScript, TypeScript, HTML and CSS.• Web Development: Node.js, React, Tailwind CSS, Express.js, Material UI, Spring Boot, Docker, AWS. | <ul style="list-style-type: none">• Databases: MySQL, PostgreSQL, MongoDB.• VScode, IntelliJ, Eclipse.• Git, Gitlab, Github.• Backstage for building developer ecosystem |
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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.

Projects

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

SocialBook - Full Stack Social Media Website – Login with google account and post pins as well as save pins to your profile and comment on pins. The search bar is also optimized to show relevant pins. The frontend of this website was built through **ReactJS** and **Tailwind CSS**. **Hooks** such as **useState** and **useEffect** were utilized. The backend of this website was built using **Sanity.io** by creating schemas, storing and managing the data through **Sanities** documentation. Logging in with Google account was accomplished by **Google cloud platform**. -- [website](#)

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 **ReactJS** 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 - present

- 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.