

# Shahab Salem

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## Education

**University of Calgary, BS - Honors Computer Science**

Sep 2018 - May 2022

- Jason Lang Scholarship

## Key Skills

- **Languages:** Java , Python , Javascript (ES6) , SQL , HTML , XML , CSS , C
- **Technologies and Libraries:** Node , Express , React , Spring , Git , REST , GraphQL , Apollo , Flutter
- **Databases:** MySQL , Oracle , PostgreSQL , Google Cloud Firestore (NoSQL) , MongoDB

## Work Experience

### Software Developer Intern

Canadian Institute for Health Information - Toronto

Jan 2020 - April 2020

- Pioneered the agile revamping of key nationwide healthcare reports' generation, amplifying speed and accessibility by ~20%, by migrating from Oracle Reports to Jasper.
- Significantly reduced batch queuing by at least 35% through redesigning Java and Spring code.
- Launched an AWS EC2 and RDS instance, utilizing Cloud Formation to deploy an Angular & Python Flask app,
- Consolidated applications' modularity by refining SQL queries to an Oracle database, remodeling XML code, and employing Object Mappers.

### Co-founder & Full-Stack Developer

Omnia - Mountain View, California | Acquired in November 2019

May 2019 - Nov 2019

- Selected out of 5000+ applicants to pitch at YCombinator as part of the Winter 2020 batch.
- Spearheaded the agile development of a streamlined ed-tech solution providing key data analytics on student behavior to university systems.
- Added \$140,000 into our predicted sales pipeline and brought about \$80,000 of that into final quotation stage.
- Acted as lead engineer, bootstrapping the development of the web dashboard, utilizing Node.js , Google Cloud Firestore , HTML , Bootstrap.

## Selected Projects

**Dime:** Cross-platform mobile application that integrates all things social on campus ([www.getdime.ca](http://www.getdime.ca))

- Acquired 2500+ users in 4 days with a retention rate of 95% on the 2nd day.
- Implemented back-end functionality including API integration, geo-location features, real-time messaging, user profiles, and post threads.
- Instituted efficient data pagination mechanisms to decrease database calls by at least 55%.
- Utilized Flutter, Firebase, and Node.js for server side cloud functions.