Shahab Salem

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Key Skills

- **Languages:** Java , Python , Javascript (ES6) , SQL , HTML , XML , CSS , C , Dart , Assembly (ARMv8)
- **Technologies and Libraries:** Node , Express , React , Spring , Flutter , JQuery , Bootstrap , EJS , Sequelize Hibernate , MyBatis , HTTP , REST , GraphQL , Apollo , JUnit , Linux
- **Databases and Servers:** MySQL , Oracle , PostgreSQL , Google Cloud Firestore (NoSQL) , MongoDB , JBoss , Tomcat
- **Continuous Integration/Deployment & Build:** Github , Gitlab , Bamboo , Maven

Work Experience

Software Developer Intern

Canadian Institute for Health Information   January 2020 - present

- Pioneered the agile revamping of key nationwide healthcare reports' generation, amplifying speed and accessibility by at least 20%, through the migration from Oracle Reports Server to Jasper Reports.
- Significantly reduced batch queuing by at least 35% through redesigning **Java** and **Spring** code to adhere to best practices and implementing new vital features.
- Boosted multiple applications' performance and modularity by refining **SQL** queries to an **Oracle** database, remodeling XML reports, and employing ORMs , ultimately yielding a more decoupled architecture.
- Orchestrated end-to-end testing with **JUnit** and **Maven,** while utilizing **Gitlab** and **Bamboo** for continuous delivery.
- Implementing a predictive analytics model using **Python** to identify potential drug abusers across Canada.

Co-founder & Full-Stack Developer

Omnia | Acquired in November 2019   May 2019 - November 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.
- Acted as lead engineer and product manager, bootstrapping the development of the web dashboard, utilizing a plethora of technologies including **Javascript** , **HTML , Bootstrap , CSS , Node , Google Cloud Firestore.**
- Added $140,000 into our predicted sales pipeline and brought about $80,000 of that into final quotation stage.
- Instituted product prioritization decisions after performing needs analysis with the University of Waterloo and Western University.

Projects

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

- Acquired 2500+ users in 4 days with a retention rate of 95% on the 2nd day during Western and Waterloo launch.
- Oversaw the agile development process and implemented the majority of the back-end functionality including geo-location features, real-time messaging, post threads, user profiles, and designing the user feed algorithm.
- Integrated with **APIs** to gather cross-media user data and increase user acquisition by approximately 18%.
- Implemented efficient data pagination mechanisms to decrease database calls by at least 55%.
- Utilized **Flutter**, **Firebase**, and **Node.js** for server side cloud functions.

Education

University of Calgary, Bachelor of Science   Sep 2018 - Expected May 2022
- Majoring in **Computer Science**, minoring in Data Science
- Jason Lang Scholarship