Shahab Salem

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Key Skills

- **Languages:** Java , Python , Javascript , HTML , XML, CSS , C , Dart , Assembly (ARMv8), SQL
- **Technologies and Libraries:** Spring , Hibernate , MyBatis , Oracle , JBoss , Tomcat , Maven , Jasper Reports , Node.js Express.js , JQuery , EJS , Bootstrap , MySQL , Google Cloud Firestore (NoSQL) , MongoDB , Flutter , HTTP and REST architectures , JUnit , Git/Gitlab , Linux
- **Proven Abilities:** Cross-platform mobile development (iOS & Android), responsive web application development, desktop application development, data manipulation and analysis.

Work Experience

Software Developer Intern
Canadian Institute for Health Information | January 2020 - present

- Orchestrated the **agile** revamping of the dynamic generation of healthcare reports utilized nationwide by healthcare providers, from Oracle Reports Server to **Jasper Reports**.
- Increased speed and accessibility of reports by at least 25%, creating a streamlined report generation service no longer dependent on an external server.
- Refactored legacy **Java** code to allow for the integration of a more efficient report generation mechanism.
- Refined **SQL** queries to an **Oracle** database, redesigned **XML** templates, and utilized object mappers like **MyBatis.**
- Created a more decoupled and secure architecture by developing a well designed DAO layer**,** ultimately creating a more modular and effective **Spring** application deployed on **AWS**.

Co-Founder and Software Engineer
Dime | June 2019 - October 2019 (acquired)

- Dime is a mobile app on iOS & Android chosen out of 5000+ applicants to pitch at Y Combinator this fall.
- Oversaw the **agile** development process and implemented the majority of the backend functionality, business logic, and set up the architecture of the database effectively for maximum user experience and scalability.
- Acquired 2000+ users in 4 days with a retention rate of 95% on the 2nd day.
- Interacted 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**, **Cloud Firestore** as the database, and **Node.js** for server side cloud functions.

Projects

Omnia: Data analytics dashboard for university systems
- A web dashboard ed-tech solution providing data analytics for student behavior to university systems to enable them to make data driven decisions in efforts to enhance the students' overall environment and experiences.
- Garnered interest from **The University of Waterloo** and a sales pipeline of 9 schools.
- Developed with **Javascript, CSS, Bootstrap, HTML, Cloud Firestore.**

Funder: Mobile platform simplifying group payments
- A cross-platform mobile app that enables users to keep track of multiple payments for different groups and events and conveniently pay them on the app.
- Developed with **Flutter** and **Cloud Firestore**.

Education

University of Calgary, Bachelor of Science   Sep 2018 - present
- Majoring in Computer Science, minoring in Data Science
- Jason Lang Scholarship