Simon Ha

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EDUCATION

BSc. Honours Computer Science   Toronto, ON | Exp 01/2024
UNIVERSITY OF TORONTO
Coursework: Software Engineering; Data Structures and Algorithms; Operating Systems; Computer Security;

SKILLS

Languages: Java, SQL, C, Python, GoLang, Bash, JavaScript, HTML/CSS
Frameworks & Protocols: Spring/Spring-Boot, Hibernate, React, AngularJS, OAuth 2.0 & OpenID Connect
Databases & Technology: Oracle, MongoDB, Neo4j, PostgreSQL, ElasticSearch, Git, Maven, Jira, Jenkins

WORK EXPERIENCE

BLACKBERRY LIMITED | ENTERPRISE INFRASTRUCTURE   Mississauga, ON | 05/2021 – 08/2022
SDE Intern | Java, Spring/Spring-Boot, Hibernate, AngularJS, OAuth2.0 OpenID Connect

- Automated **environment specific** post-deployment service verification using **Selenium**, decreasing regression failures for new features and boosting code acceptance rate by **24%**
- Wrote **LDAP** queries and exposed a **REST API** allowing admins to easily toggle permission group membership for a specific user in front-end, decreasing overall time needed by **85%** on average
- Designed and implemented an update-form for **OpenID Connect** and **3rd party IDP** related applications using **AngularJS** and **Spring** making the overall layout more organized and user-friendly.
- Lead effort to migrate external system into main application, adding **DDL** scripts for new database tables and crud API integrated in a **multi-tiered** backend
- Developed and pushed high-demand release defining features for internal product configuration application, managed through **JIRA** with bi-weekly sprint planning, backlog grooming and demos.

DAYSTAR LIMITED | POLICY SERVICES   Mississauga, ON | 05/2020 - 08/2020
SDE Intern | Java, Vaadin, MyBatis, Sybase, WSO2

- Worked in a team of 3 developers to proactively develop a Commercial Property product front-to-back using **Vaadin** and **Java**
- Leveraged **Java API** and **MyBatis** framework in backend to get and save data, including the use of stored procedures in Sybase, increasing overall efficiency of commonly retrieved data by **50%**
- Applied ESB (Enterprise Service Bus) design patterns and WSO2 ESB Software to integrate various services of a policy admin system.

GENWORTH FINANCIAL CANADA (SAGEN) | WEB POLICY SERVICES   Oakville, ON | 05/2019 – 08/2019
SDE Intern | Java, Spring/Spring-Boot, Hibernate, JMS

- Applied **Adapter** Design Pattern to convert legacy-formatted data into new component through **IBM Messaging Queue** for JMS
- Designed a scheduler with **Spring-Boot** framework to upload reports to **MongoDB** and index in **Elasticsearch**, automating an internal process and increasing efficiency by **80%**.
- Created **UML** diagrams with architect and persisted domain model into **PostgreSQL**, mapping the objects with **Hibernate**

PROJECTS

U-IMPACTIFY ⤴   JAVA, SPRING/SPRING-BOOT, HIBERNATE, REACT, MAVEN, SWAGGER API
A full-stack e-learning platform targeted at social work and marginalized groups, supporting organization-scoped or individual profiles.

HABITUAL ⤴   MONGODB, EXPRESS, REACT, NODEJS
Simple habit tracker using famous MERN stack aimed to follow Atomic Habits philosophy with a set habit-forming equation.