

JH OH

3A HONOURS MATHEMATICS

✉ JH8OH@EDU.UWATERLOO.CA 🌐 OHJIHO.DEV 📞 (226) 978 3297 📱 JH8OH

SKILLS

ANDROID DEVELOPMENT: Java, Kotlin, Room (SQLite), Dagger 2, Data binding

WEB DEVELOPMENT: HTML, (S)CSS, Javascript, Typescript, Vue.js, WordPress REST API

GROUP TOOLS: Git, Jira, Agile

EMPLOYMENT

WEB/ANDROID DEVELOPER

JAN. '20 - APR. '20

DC CANADA EDUCATION PUBLISHING

Website Developer: Maintaining and developing new content/features on a WordPress powered website. Integrated MotionPay (AliPay and WeChat Pay) into the payment system for the Chinese domain. Used **PHP** to send order details to MotionPay's API which generated a QR code to display. Used **WordPress REST API** to add the product into the user's account once the QR code had been scanned.

Android Developer: Solo development on an Android mobile app that is used to support an online e-book reading platform titled One Story a Day (see below).

ANDROID/INNOVATION DEVELOPER

SEPT. '20 - DEC. '20

INNOVAPOST

Android Developer: Fixed production bugs and implemented new features for the Canada Post mobile application, such as a barcode generated for users on a failure path. Worked in an **agile-scrum** environment.

'Innovation Garage' Developer: Researched the possibility of implementing **progressive registration** and **OAuth 2.0** on the application. Was part of a pilot team to eliminate the need for ring scanners and instead use wrist-mounted PDTs which operated based on the **accelerometer** and **gravimeter**.

PROJECTS

ONE STORY A DAY

FEB. '20 - APR. '20

Android app that replicates "One Story a Day", a children's book website.

- Communicates with the website's **REST API** to handle account details such as username, email, and password.
- Used **JWT authentication** to log the user in. Done by either validating the user credentials (username and password) or by verifying a stored **JSON token** that was received from logging in previously.
- Created and handled an **SQLite database** that managed the relationship between programs and books; some books contained books themselves.
- Used a web view to display web pages that contained an embedded online reader. The app also had to send the **JSON token** which allowed the reader to be displayed in order to prevent people from reading it without payment.

PERSONAL WEBSITE

MAR. '20 - CURRENT

A personal website (<https://ohjiho.dev>) to self-advertise and to start getting into modern web development past the standard HTML, CSS, and JavaScript.

- Uses **Vue.JS** as a framework. It's a single page application that uses **Vue Router** to "simulate" different pages.
- Uses **Typescript**, a more syntactical version of Javascript, and **SCSS**, a CSS preprocessor

EDUCATION

UNIVERSITY OF WATERLOO

SEPT. '18 - CURRENT

Bachelor of Maths Mathematics 2023

Received the President's Scholarship of Distinction, an entrance scholarship for an admission average of 95% or higher

BRITISH INTERNATIONAL SCHOOL VIETNAM

SEPT. '03 - MAY '18

IB Diploma 2018

IB score of 41/45 (Top 5% in world)

Took part in the UKMT Senior Mathematical Challenge and received the gold award (83+ points)