

Gary Li

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ORACLE®
Certified Associate
Java SE 8 Programmer

Skills

Programming	Java, JavaScript, Typescript, React Native, Go, OOP, HTML5, CSS
Frontend	React, Redux, Recoil, Material-UI, Bootstrap, jQuery
Backend	Spring Boot, Hibernate ORM, SQL, Node.js, Linux servers, Firebase, Google Cloud Compute Engine, JSON
Tools	Git, Selenium and Cypress Automation, JMeter, Linux command line, Postman, Android Studio, Putty

Work Experience

MentumQR

Toronto, ON

SOFTWARE ENGINEERING INTERN

Jan. 2021 - Apr. 2021

- Programmed a real-time WebSocket restaurant order status page and menu item editor with **React**, **Typescript** and **Redux**.
- Implemented menu caching logic for **Go** backend endpoints by deserializing pre-determined data from **Amazon S3**, resulting in a **3.5X** speedup in response time.
- Programmed Doordash integration webhooks with **Go** and **PostgreSQL**, where the project as a whole handled **400 orders weekly** and **\$10,000 in sales**.
- Developed interactive kiosk screens using **Typescript**, **React Native**, **React Query** and **Recoil** from Figma prototypes.
- Improved reliability by composing automated **Typescript Cypress** tests in CI for the **React** ordering frontend.

Bridgespace

Toronto, ON

FULLSTACK SOFTWARE DEVELOPER

Jul. 2020 - Aug. 2020

- Programmed and documented an **AWS Lambda** function with **Node.js** to collect Mailchimp audience fields data on user signup.
- Implemented frontend pages from Figma prototypes using **Bootstrap**, **jQuery**, **HTML5** and **CSS**.
- Worked with team to integrate **AWS Cognito** and **SES** with backend using **AWS PHP SDK**.
- Strengthened **Linux Ubuntu** server security by following best practices and setting up unattended upgrades.

Projects

SemesterShare.com

2018

- Launched a web platform where students can input timetable data, keep track of their friends' timetables and see live course information.
- Programmed backend **RESTful** API with **Java**, **Spring Boot**, **Hibernate ORM** and **MySQL database server**.
- Designed frontend collaboratively with team using **HTML5**, **CSS**, **JavaScript**, **React** and **Bootstrap**.

Steps4News

2020

- Conceived an **Android Java** app that tracks the user's step count while playing news headlines.
- Parsed the latest headlines from NewsAPI.org with Gson and played results using Android's **Text-To-Speech API**.
- Implemented a step counter via SensorEventListener using Android's **sensor API**.
- Used **Firebase Authentication and Firestore** to implement user sign in and cloud user data storage.

EquationSpace.com

2019

- Created a collaborative graphing calculator extended from Desmos where users can collaborate in real time to edit the graph.
- Developed backend with **Node.js** and hosted it on **Firebase Functions** with a serverless architecture.

SimpleWeather

2019

- Designed an **Android Java** app that checks the weather of any city with bi-hourly forecasts, current conditions and weather icons.
- Parsed OpenWeatherMap's API response with **Gson** to display weather data.

Distinctions

- 2020 Oracle Certified Java Programmer (Passed with 95%)
- 2019 picoCTF Cybersecurity Competition (Top 4.53%)

Education

University of Waterloo

Waterloo, ON

CANDIDATE FOR BACHELOR OF APPLIED SCIENCE IN HONOURS COMPUTER ENGINEERING, CO-OP

2020 - 2025