

Gary Li

✉ gary.li1@uwaterloo.ca | 🏠 garyli.dev | 🐙 garyli2 | in gary-li-dev

ORACLE®

Certified Associate

Java SE 8 Programmer

Skills

Languages Java, JavaScript, PHP, HTML5, CSS

Frontend ReactJS, Material-UI, Bootstrap, jQuery

Backend Spring Boot, Hibernate ORM, MySQL database, Node.js, Linux server management, Firebase, TLS certificate installation, JSON

Tools Git, Eclipse, IntelliJ, Linux command line, Android Studio, Postman, Putty

Work Experience

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.
- Integrated **AWS Cognito** with Wordpress authentication by programming an in-house **PHP** plugin to handle user attribute mapping and account creation.
- 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.
- Developed backend **RESTful** API with **Java Spring Boot**, **Hibernate ORM** and **MySQL database**.
- Designed frontend collaboratively with team members using **ReactJS** 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 platform backend with **Node.js** and hosted it on **Firebase Functions** as 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.
- Loaded weather indicator icons from API endpoint and displayed it with Picasso.

Distinctions

- 2020 Oracle Certified Java Programmer (Passed with 95%)
- 2019 picoCTF Cybersecurity Competition (Top 4.53%)
- 2019 TDSB Table Tennis City Champions

Education

University of Waterloo

Waterloo, ON

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

2020 - 2025

A.Y Jackson Secondary School

Toronto, ON

ONTARIO SECONDARY SCHOOL DIPLOMA

2016 - 2020