

Amuleek Kaur Simak

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SKILLS

Languages: Python, Go, Java, JavaScript, SQL, CSS, HTML

Libraries & Frameworks: React.js, jQuery, Bootstrap, Node.js, Selenium, Express.js

Technology: Git, AWS Lambda, Docker, Firebase, Google Maps API, PDF.js, Raspberry Pi, Arduino

WORK EXPERIENCE

INVESTOPEDIA | SOFTWARE DEVELOPMENT ENGINEER INTERN

Toronto, ON | May 2021 – Aug 2021

- Implemented script using **Java** and **Keycloak REST API** that adds confidential clients to Keycloak authentication to allow SSO integration between various websites
- Improved the performance of web applications utilized by **100 million** users per month by **30%** by creating an efficient algorithm to process data
- Created endpoints for **15+** verticals and deployed them using **AWS Lambda**
- Developed custom exceptions to help identify and eliminate bugs found in code and to increase overall readability

FIRST ROBOTICS | ROBOTICS TEAM LEAD

Toronto, ON | Jan 2017 – Sept 2018

- Supported the software task force at TL Kennedy with debugging code written in **Python**
- Improved precise movement coordination of robot's arm navigation by **70%** by determining the joint angles
- Competed at the ONT District Event and achieved **17th rank** in the entire district

HATCH | JAVASCRIPT COACH

Toronto, ON | Sept 2017 – Nov 2017

- Worked with a team to instruct JavaScript to a group of **40+** students
- Assisted team with creating a game plan to tackle different types of learning styles

PROJECTS

MNTR

GOLANG, VUE.JS, DOCKER, COCKROACHDB

A web application that assists students looking for mentors that are in the field they aspire to be in by using an algorithm to find their best fit.

- Used **Go** to create the data models and interfaces for the structs
- Implemented the back-end endpoints and deployed the logic needed to make the requests to the server
- Set up **Firebase** and received tokens for the request

YOTEI

SWIFT, GOOGLE MAPS API, FIREBASE, SQL

A reminders application that is used to support individuals prone to forgetfulness by sending them reminder notifications at client set locations.

- Implemented application using **Swift**
- Used **Google Maps API** and **SQL** to build logic that allows users to save their reminder and ping them at the correct location
- Developed authorization system using **Firebase**

EDUCATION

BSc. Honours Computer Science

Toronto, ON | 3.7 GPA | Jan 2019 – Apr 2023

YORK UNIVERSITY

Coursework: Data Structures and Algorithms; Intro. to the Theory of Computation; Advanced Object Oriented Programming; Software Tools

Involvement: Club Executive at Computer Science Hub; Club Executive of Hornet's Nest; Club Executive of Chess Blitz Club; Member of LASSAT; Lyft ETA Program 2021; Hacker at Hack the North; Hacker at ElleHacks