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

ROYAL BANK OF CANADA | Software Engineer Intern   Toronto, ON | Sept 2021 - Dec 2021

- Collaborated with team to maintain the back-end services of the Ampli application used by **300,000+** users with **Node.js** and **Postgres**
- Located and debugged issue that caused offers to show up on mobile application after expiry date by updating **SQL** query clauses in the data provider
- Customized unit tests to cover edge cases for added queries in data providers by creating mock offers with various end and start dates

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 web applications utilized by **100 million** users per month
- 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**
- Enhanced 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

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.

- Utilized **Go** to create data models and interfaces for **5+** structs
- Facilitated 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**
- Applied **Google Maps API** and **SQL** to build logic that allows users to save their reminder and ping them at the correct location and increased response time by **20%**
- Devised the development of the authorization service using **Firebase**

EDUCATION

BSc. Honours Computer Science   Toronto, ON | 3.7/4 GPA | Jan 2019 - Apr 2023
York University
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.
Achievements: Best Use of Cockroach DB at Hack the North | Scholarship recipient for Pride Summit 2021.