

# Ahmed Ali

Surrey, BC • [aaa123@sfu.ca](mailto:aaa123@sfu.ca) • [ahmali3.github.io](https://github.com/ahmali3) • [linkedin.com/in/ahmali3](https://linkedin.com/in/ahmali3)

## SKILLS AND TECHNOLOGY

---

C++ | SQL | Java | C | Go | Haskell | HTML | CSS | Git | Flutter | Firebase | Object-Oriented Programming |  
Scrum & Agile | Data Structures & Algorithms | REST API | Software Quality Assurance

## WORK EXPERIENCE

---

### Software Engineer Intern

DigitalOcean

05/2022 – 08/2022

New York, USA

- Followed a rigorous cycle of development, testing and rollout steps to complete a migration for an internal tool
- Implemented the **web server** and front-end of an internal webpage using **HTML**, **CSS** and **Go**
- Implemented **unit tests** and performed manual tests of **mocked requests** to a running instance of the tool
- Set up a continuous deployment pipeline to deploy the program to a staging environment to run through a test plan to identify bugs before deploying the final version to production
- Engaged in a fully remote **Agile** environment and participated in meetings and code reviews

### QA Developer Co-op

Vecima Networks Inc.

01/2022 – 04/2022

Burnaby, BC

- Developed and maintained **test cases** to meet functional requirements for GPS-based tracking devices
- Identified and **reported bugs** using **Jira**, verified fixes, and managed through to resolution
- Developed and maintained **automated testing scripts** using **Sahi Pro** to run **regression tests**
- Assisted in end-to-end testing of Web and Mobile Portals before each release
- Engaged in **Scrum** events through planning and estimation, daily Scrums, sprint reviews, and retrospectives

### Software Developer (Volunteer)

MYM – Youth Community Organization

09/2020 – 12/2021

Surrey, BC

- Developed and maintained an **Android/iOS** mobile app using **Flutter** that allows users to check weekly scheduled programs, check prayer times and donate to the organization
- Implemented a convenient in-app donations feature via **PayPal API** to increase rate of donations by 15%
- Migrated organization-wide event scheduling via **Google Calendar API** to support web users, while storing previous event photos in **AWS S3**
- Structured an **Agile** development process by continually adding new features and gathering **user feedback** to improve the overall user experience, such as moving the prayer time **JSON** data onto **Firebase** to improve server reliability during peak traffic time

## TECHNICAL PROJECTS

---

### I Remember When | Academic

02/2021

- Implemented lobby room-creation using **Java** and **Firebase** to allow real-time player synchronization for **multiplayer** functionality in an **Android** mobile game
- Integrated in-game video calling with **WebRTC** via the **Jitsi SDK** to allow players to interact virtually
- Led team** of four as the **Scrum Master** by creating weekly meetings to address team dynamics and **coached teammates** to complete unfamiliar tasks during each sprint

### S-Talk | Academic

10/2021

- Created a chat facility using **UNIX UDP IPC** that enables a user from one terminal to communicate with a different user in another terminal using a **client/server model**
- Implemented in **C** using a kernel-level thread implementation for Linux to allow for **multithreading**

### SQL Election Database | Academic

12/2021

- Created a **SQL Server database** to store data about Canadian federal elections using a given schema
- Implemented various **triggers**, **constraints**, **stored procedures**, and inserted data into the database

## EDUCATION

---

Bachelor of Science - **Computing Science - Software Systems**

Simon Fraser University

05/2017 – 08/2023