

Ahmed Ali

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

SKILLS AND TECHNOLOGY

Java | SQL | C++ | C | Go | Haskell | Scheme | RISC-V Assembly | HTML | CSS | UML | Git | Flutter | Firebase | Relational Databases | Object-Oriented Programming | Scrum & Agile | Data Structures & Algorithms | REST API

WORK EXPERIENCE

QA Developer (Co-op)

Vecima Networks Inc.

01/2022 - Present

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**
- 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**
- Extracted **JSON** data from an authoritative source for prayer times that have a limited ability to be forecasted
- 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
- 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

Book API | Personal

02/2022

- Developed a **REST API** using **GO** and **Mux** router to add, remove, update, and retrieve books
- Tested **API CRUD** operations using **Postman**

EDUCATION

Bachelor of Science - **Computing Science - Software Systems** (*intended*)

Simon Fraser University

05/2017 – 08/2023