Ahmed Ali

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WORK EXPERIENCE

QA Developer   01/2022 - Present
Vecima Networks Inc.   Burnaby, BC
- Developed and maintained **test cases** to meet functional requirements for GPS-based tracking devices.
- Developed and maintained **automated testing scripts** using **Sahi Pro**.
- Identified and **reported bugs** using **Jira**, verified fixes, and managed through to resolution.
- Assisted in end-to-end testing of Web and Mobile Portals before each release.
- Worked closely with other members of the development team to analyze and reproduce issues while adhering to software quality best practices.

Software Developer   09/2020 – 12/2021
MYM   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

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.

I Remember When | Android Group Project   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**.

Election Ballot Counter | Academic   11/2021
- Implemented the same program that counts the number of ballots in **Java**, **Haskell**, and **Scheme**.
- Purpose of the project was to compare and contrast the difference between **pure functional programming** and mainstream programming languages.

SKILLS AND TECHNOLOGY

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

EDUCATION

Bachelor of Science - **Computing Science - Software Systems** *(intended)*   05/2017 - Present
Simon Fraser University