

October 11, 2024

Confluent, Talent Acquisition and Human Resources
Toronto, Ontario

Dear Hiring Manager:

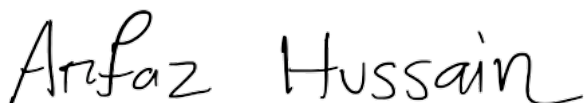
I am writing to express my strong interest in the *Software Engineer* Co-op at Confluent. I am a software engineering student at the University of Victoria in British Columbia. I am eager to learn and grow in the field of computer and software engineering, and I believe that this role will help me gain valuable work experience related to my interests and help me acquire a practical understanding in a real-world setting.

Throughout my academic endeavours, I have had the chance to explore and learn about many important concepts in software engineering, such as object-oriented programming, software architecture design, agile methodologies and software testing. My academic and project experiences align well with the requirements of this position:

- **Full-Stack Web Development:** I have developed full-stack web applications using React.js, Next.js, and Node.js. I am skilled in creating REST APIs for data exchange and have experience integrating front-end UIs with backend services.
- **Embedded Systems Design:** I have developed software for various embedded systems, focusing on integrating mechanical and electrical components to perform tasks using user inputs and sensor data.
- **C/C++ Programming:** I have experience working with embedded systems primarily in C, especially in low-level memory management and hardware interfacing. I also have experience developing real-time systems using STM32 microcontrollers, where I've worked managing timers as well as GPIO configurations.
- **Test Automation Frameworks:** I have implemented automated testing frameworks using Selenium, JUnit, and Postman. I have experience in creating end-to-end test scripts for web applications to ensure their functionality and reliability.
- **Version Control and Collaboration:** I have used Git and GitHub extensively for version control and collaboration on projects, implementing best practices such as branching strategies, pull requests, and code reviews to maintain clean.

I am currently available for **an 8-month** work term and would be open to the possibility of participating in more than two consecutive terms. Thank you for considering my application. I look forward to the possibility of speaking with you further about this role.

Most Sincerely,



Arfaz Hossain (He/Him)
Software Engineering Student,
University of Victoria