Arfaz Hossain

Victoria, British Columbia

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StandardAero, Langley Office
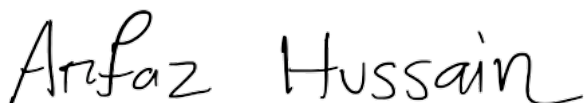Winnipeg, Manitoba

Dear Hiring Manager:

I am writing to express my strong interest in the *Application Developer* Co-op at StandardAero. 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.

- **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.

- **Unit Testing and Code Coverage**: I have developed unit tests using JUnit, Mocha, and pytest to ensure code correctness. Throughout my test scripts, I have achieved high code coverage and have experienced maintaining a test-driven development (TDD) workflow.

- **API Testing and Mocking**: I have tested RESTful APIs using Postman and Newman. I have experience implementing test suites for validating API endpoints and used mocking techniques to simulate external services during testing.

- **Continuous Integration and Continuous Deployment**: I have integrated automated testing into CI/CD pipelines using tools like Jenkins and GitHub Actions. I have experience in maintaining smooth deployment processes through running tests on every build before deployment.

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