

October 11, 2024

BC Pension Corporation, IT Security
Victoria, British Columbia

Dear Hiring Manager:

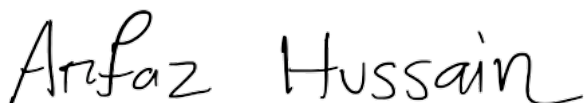
I am writing to express my strong interest in the *Security Analyst* Co-op at BC Pension Corporation. I am a software engineering student at the University of Victoria in British Columbia. I am eager to learn and grow in the field of computer and software engineering, and I believe that this role will 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:

- **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.
- **Serverless and Cloud Integration:** I have developed serverless applications using AWS Lambda and Firebase Functions. I am experienced in deploying applications to cloud platforms like AWS, Vercel, and Heroku for scalable performance.
- **Continuous Integration and Continuous Deployment:** I have integrated automated testing into CI/CD pipelines using tools like GitHub Actions. I have experience in maintaining smooth deployment processes through running tests on every build before deployment.

I am currently available for a **4-month** work term and would be open to the possibility of participating in more than one 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