

# Arfaz Hossain

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June 18, 2023

## **Ballard Power Systems Inc**

Division: Ballard Power Systems Inc.  
Burnaby, British Columbia

Dear Hiring Manager:

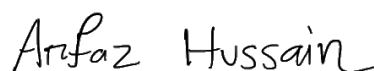
I am writing to apply for the Systems Engineering Co-op at Ballard Power Systems Inc. As someone who is always eager to learn and grow in my field, I believe that this is an excellent opportunity to gain valuable experience and enhance my skills in software development.

I have a deep fascination for the potential of technology to solve intricate problems, and I am continually refining my skills in developing efficient and dependable software solutions. Throughout my academic coursework, I have collaborated with multiple teams on diverse projects, gaining experience in different areas of software development. In addition to my academic projects, I have completed several personal projects, including developing mobile applications, building my online personal portfolio, and creating an obstacle-based game using Java Swing. These projects have given me the opportunity to work on my own and have helped me develop strong problem-solving and debugging skills in the process.

I have gained software development experiences while developing mobile, desktop and website with Java, JavaScript, HTML/CSS and using SQL/NoSQL databases. I have used Java as my primary language for learning Object Oriented Programming (OOP) and extensively use it every day for solving any programming problems. As part of my working knowledge of HTML, I have developed my personal portfolio, where I have used HTML and CSS in the front-end design and development. Every day, I am learning something new on JavaScript and I try to experiment with those skills on the development process. Recently, I have joined UVic Rocketry in the Software Engineering team, where currently I am working with developing front-end components using React and have briefly worked with MongoDB NoSQL database systems for managing a range of inputs we receive in our system. I am also taking online courses outside school in MySQL Workbench, Agile Mythologies and Networking Systems to understand in-depth about the practical applications of database and project management. I am familiar with Automation Testing and have used Selenium WebDriver and Selenium in JUnit Gradle Project. I believe I am adaptable to learning any new tools and technologies and have knowledge of Test-Driven Development principles and practises.

Given my current work-term setup, I am available for either a 4 or 8-month co-op term and would be open to the possibility of participating in two consecutive terms (Fall 2023 and Spring 2024). Thank you for considering my application. I look forward to the opportunity to further discuss my skills and experience at Ballard Power Systems Inc.

Most Sincerely,



**Arfaz Hossain** (He/Him)  
2nd Year Software Engineering (BSEng) Student,  
University Of Victoria