

October 11, 2024

Magnet Forensics

Human Resources and Talent Acquisition

Remote, Canada

Dear Hiring Manager:

I am writing to express my strong interest in the *Software Developer* Co-op at Magnet Forensics. 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.
- **Database Management:** I have designed and managed databases such as PostgreSQL and MongoDB. I have implemented schemas, performed complex queries, and optimized database performance for web applications.
- **Responsive and Accessible Design:** I have built user-friendly, responsive web interfaces using modern frameworks like TailwindCSS and MaterialUI in order to optimize cross-platform accessibility standards through responsive design.
- **Serverless and Cloud Integration:** I have experience developing serverless applications using AWS Lambda, Supabase and Firebase, as well as deploying applications to cloud platforms like AWS, Vercel, and Heroku for scalable performance.

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