

Vraj Shah

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Hiring Team

WorkSafeBC

Subject: Application for **Co-op Student, Software Developer**

Dear Hiring Team,

As a Master of Applied Computer Science student at Dalhousie University, I am eager to bring my technical expertise and passion for innovation to your Innovation Strategy and Services team. With a strong background in software development and a keen interest in rapid prototyping, I am excited about the opportunity to contribute to projects that make a meaningful impact on workers and employers in B.C.

Throughout my academic and professional journey, I have developed robust skills in mobile and backend development, working extensively with Kotlin, Swift, and SQL. My experience includes building scalable applications, optimizing memory management, and leveraging cloud technologies to enhance system efficiency. Additionally, my contributions to open-source projects, particularly in automating boilerplate code with Cookiecutter, reflect my drive for innovation and efficiency. I have also worked with dependency injection frameworks like Hilt and used technologies such as OkHttp and Retrofit for API integration. Writing unit tests using JUnit, Mockito, and Espresso has strengthened my ability to ensure software reliability and maintainability.

In addition to mobile development, I have experience working with Python, C#, and .NET for backend and web applications. I am familiar with SQL Server and have worked with Web APIs using C# and .NET Core. Furthermore, I have explored machine learning frameworks such as PyTorch and TensorFlow, applying them in academic projects to develop intelligent systems. My coursework in data management and warehousing has provided me with a strong foundation in handling structured data, which could be beneficial for WorkSafeBC's initiatives.

Beyond technical expertise, I thrive in collaborative environments where problem-solving and creativity are valued. I enjoy engaging in technical research, participating in hackathons, and exploring emerging tools that push the boundaries of conventional software development. My adaptability and analytical thinking enable me to propose innovative solutions and contribute to a culture of continuous learning.

The opportunity to work alongside experienced professionals in a team that values innovation and rapid development excites me. I am available for a four-month co-op term starting in May 2025, based on WorkSafeBC's needs. I would welcome the opportunity to further discuss how my skills and experience align with the goals of WorkSafeBC.

Thank you for your time and consideration. I look forward to hearing from you.

Sincerely,
Vraj Shah