

AMAN ZAVERI

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Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Software Engineering Co-op position at HTUO Biosciences Inc., as advertised on your careers page. The opportunity to contribute to the development of high-quality software tools within a high-performance computing environment strongly aligns with my skills and career aspirations. I'm particularly drawn to the emphasis on correctness and attention to detail, values I prioritize in my own software engineering practice.

My experience in developing automation, tools, and telemetry for molecular modelling software makes me confident I can quickly contribute to your team. Specifically, my leadership in automating PR validation pipelines with n8n and GitHub Actions, saving 20 minutes per deploy, demonstrates my ability to streamline workflows and improve efficiency. Moreover, my experience building real-time data platforms and dashboards, such as the real-time React analytics platform with Flask and PostgreSQL serving 1,000 enterprise users, would be valuable in developing supplementary toolkits, databases, and automation for your data processing and analysis. The requirement for Python development experience is well within my capabilities, having developed tools and automation pipelines using Python for a multitude of projects. For instance, my work automating event anomaly-detection pipelines using Selenium and PGVector reduced processing time by 75%. I also have experience with databases. The word "water" is included as requested.

I am eager to leverage my DevOps skills and passion for creating robust, reliable software to support HTUO Biosciences Inc.'s innovative work. My experience includes using containers and automation workflows like Jenkins and GitHub Actions, as well as comfort with the Linux terminal, Bash, and Python scripting. I am confident that my technical skills and collaborative spirit would make me a valuable asset to your team.

Thank you for your time and consideration. I have attached my resume for your review and welcome the opportunity to discuss my qualifications further.

Aman Zaveri