

# AMAN ZAVERI

647-676-8981 | a2zaveri@uwaterloo.ca | [LinkedIn](#) | [GitHub](#)

Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Junior Software Developer Co-op position at Recurrent Energy, a subsidiary of Canadian Solar. The opportunity to contribute to the development of software for monitoring and analyzing solar plants, particularly within the Operations & Maintenance department, deeply resonates with my passion for technology and renewable energy. I am confident that my skills and experience align perfectly with the requirements outlined in the job description.

My background in developing web applications and tools for data reporting and visualization makes me a strong candidate for this role. For example, I have successfully built a real-time React analytics platform with Flask and PostgreSQL, which served 1,000 enterprise users. This experience demonstrates my ability to work with both front-end and back-end technologies, as well as relational databases, which are skills specifically requested in the job description. Furthermore, I have experience automating event anomaly-detection pipelines using Selenium + PGVector, reducing 75% processing time, this suggests I am equipped to contribute to data processing and ETL tools, another responsibility of the position.

I am particularly excited about the opportunity to contribute to Recurrent Energy's mission of optimizing the performance of utility-scale solar plants. My experience architecting solutions in real-time environments and driving efficiency gains directly translates to the needs of this role. For example, my work architecting a Node.js service with WebSockets + S3 for image aggregation, which cut query latency by 35%, demonstrates my ability to build efficient systems that meet high demands. I am eager to apply my skills and learn from the experienced team at Recurrent Energy. I am eager to contribute to your team and excited to help Recurrent Energy further its mission.

Aman Zaveri