

Murtadha Nisyif

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Hiring Team

OCAS

Guelph, Ontario, Canada

Dear Hiring Team,

OCAS's dedication to reinventing higher education and creating pathways for learners resonates with my background as both a Computer Engineer and a computer science educator. As a dual graduate of the University of Guelph, I have a deep appreciation for the impact OCAS has on the Ontario college system. I am eager to apply my expertise in full-stack development, software optimization, and modern DevOps to the Software Developer II role, supporting the technology that helps hundreds of thousands of individuals pursue a brighter future.

My technical background aligns directly with the requirements for building robust, scalable software solutions at OCAS:

- **Full-Stack Versatility:** I have architected multi-technology stacks combining Node.js, React, and Vue to enable real-time control and interactive user interfaces.
- **Software Optimization:** I developed high-efficiency pipelines using transformer models that achieved a 30x reduction in bandwidth usage and a 29% lower latency, demonstrating my ability to tackle complex optimization challenges.
- **DevOps & Infrastructure:** I have extensive experience with containerization using Docker and automating AWS infrastructure with Terraform and Jenkins, reducing manual deployment steps by 80%.
- **Data Management:** I am proficient in managing diverse database systems, including PostgreSQL and SQLite, and I am prepared to leverage my strong SQL foundation within your .NET and MS SQL environment.

I understand the vital role that dependable technology plays in the learning journey. Whether it is decomposing complex project tasks or collaborating with architects to solve performance blockers, I am committed to delivering high-quality, efficient code that serves the OCAS mission.

I am confident that my blend of research-driven innovation and hands-on software engineering will allow me to contribute immediately to the OCAS team. I look forward to the possibility of discussing how my experience with optimization and full-stack development can support your upcoming project developments. Thank you for your time and consideration.

Sincerely,

Murtadha Nisyif