Digital Technologies Degree Program – Student Web Developer

Electrify your career and help build a brighter tomorrow.

OPG is on a mission is to build a sustainable future powered by our electricity, ideas, and people. Our vision is to electrify life in one generation. Harnessing the power of artificial intelligence, you will have the opportunity to drive cutting-edge technologies and solutions that will propel our company and the industry forward. Your expertise will not only transform the way we operate but also impact the lives of millions as we provide clean and reliable energy to Ontarians.

Every generation has a challenge that defines them. At OPG, we are calling on all innovators, disruptors, thought leaders and change-makers. Join us to electrify life in one generation and build a sustainable future powered by our electricity, our ideas, and our people. Join OPG and make history.

Accommodations

OPG is committed to fostering an inclusive, equitable, and accessible environment where all employees feel valued, respected, and supported. If you require accommodation during the application or interview process, please advise us as soon as possible so appropriate arrangements can be made.

If you require information in a format that is accessible to you, please contact AODA@opg.com

Job Overview

We are a dynamic organization at the forefront of the energy industry, and we are seeking a talented and motivated student Web Developer to join our innovative team. In this role, you will have an opportunity to develop modern web applications to support the secure economic operation of our power generation assets.

As an Ontario Power Generation (OPG) student web developer, you will be part of an exciting and innovative team with a passion for creating new and exciting technologies. We foster an open and inclusive culture that is dedicated to learning, creativity, and innovation, which allows you to develop your skills and grow professionally. This is an excellent opportunity for students looking to gain practical experience and take the first steps towards an exciting career in the energy industry.

You will have the opportunity to work collaboratively with industry-leading experts in a fast-paced environment, gaining hands-on experience while playing a vital role in the development of the energy industry. Join us on the forefront of innovation and help us lead the way in creating a sustainable energy future for generations to come.

If you are a dedicated, passionate student web developer looking for a valuable learning experience in an exciting industry, apply for our student web developer role today.

Key Accountabilities

- Collaborate with the team to design, develop, and maintain software applications.
Participate in the entire software development lifecycle, from requirements gathering to deployment and maintenance.
Contribute to coding, testing, debugging, and documentation efforts.
Develop and deploy applications on the Azure cloud platform.
Utilize Azure services and tools to build scalable and reliable cloud solutions.
Work collaboratively with team members to ensure proper code management and version tracking.
Build responsive web applications using Next.js and React.js frameworks.
Implement user interfaces and interactive features based on design specifications.
Collaborate with designers and backend developers to integrate frontend components.
Develop RESTful APIs and backend services using the FastAPI framework.
Ensure API performance, security, and scalability.
Implement Python for various software development tasks, such as data processing, scripting, and automation.
Work with libraries and frameworks commonly used in Python development.
Other duties as assigned

Requirements

- Enrolled in the Bachelor of Applied Science in Digital Technologies at Lassonde School of Engineering.
- **Location**: Role based in Toronto or Durham Region
- **Type**: Full Time Hybrid – 35 hours per week, 3 days in-person, and 2-days remote.
- **Duration of contract**: 12 months starting in September 2023
- **Number of positions**: 1

Skills and Competencies

- Experience or willingness to learn with building data pipelines that perform preprocessing and cleaning tasks on large datasets in Spark.
- Knowledge of software development best practices and methodologies.
- Experience in or willingness to learn python
- Optional: Web development using Next.js and React.js would work
- Familiarity with database technologies, such as SQL or NoSQL databases.

What Makes a Career at OPG Different?

As Ontario’s largest clean energy generator, we’re building, expanding, and innovating the equipment and technology that keeps Ontario powered with clean, reliable energy.

At OPG, our values are our strengths. They are fundamental truths about our organization that don’t change:

**Safety** – it’s our business.
**Integrity** – always lead with integrity.
**Excellence** – never satisfied with good enough.
**Inclusion** – working together for powerful outcomes.
**Innovation** - creativity accelerates possibility.
Here’s why OPG might just be the ideal workplace for you:

- Exceptional range of opportunities province-wide
- Long-term career growth and development opportunities
- Electricity is vital to the province and OPG’s clean electricity is helping decarbonize other sectors.

**Our promise to you:**

- We care about the safety and the well-being of our employees. It is our utmost priority.
- A supportive work environment where you can be your best every day.
- Opportunities to stretch and develop.
- Offer different ways for you to give back to communities where we operate.
- Partner with Indigenous communities and support local businesses.
- We support employment equity, diversity, and inclusion.

Are you ready to start a career that has the power to electrify life on and off the job? Apply now.