

Louis Emilien Surette

Full Stack Developer | HTML, JS, React, Python, Flask & Power Platform

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Portfolio: <https://louissurette.ca/>

Education

Toronto Metropolitan University (TMU) - *(July 2026)*

Certificate in **Full-Stack Development**

University of Mauritius - *(June 2016)*

Bachelor's Degree in **Chemical and Renewable Energy Engineering** | First Class GPA: 3.49

Skills

Frontend: HTML5, CSS3, JavaScript (ES6+), React, Typescript, Wix Velo.

Backend: Node.js, Python (Flask), REST APIs.

Databases: Azure SQL, PostgreSQL, MongoDB (NoSQL).

Tools & Platforms: Git, GitHub, Azure, Power Automate, Power Apps, Microsoft SharePoint and Excel.

Other: Data processing, Data Migration, QA/QC, Software Engineering, Security, DevOps, CI/CD pipelines, full software development lifecycle, UI/UX design, Agile software development.

Soft Skills: Communication, Collaboration, Strong analytical, troubleshooting, and problem-solving skills, Continuous improvement.

Certifications

PMP®- PMI | User Experience (UX) - Accenture | Web Design & Development - LinkedIn | AI Prompt Engineering - LinkedIn | Generative AI for Project Managers - PMI

Professional Summary

Full Stack Developer with 4+ years of experience building web applications, automation tools, and data-driven solutions. Strong expertise in front-end development (HTML, CSS, JavaScript, React), backend integration (Node.js, Python Flask), and workflow automation using Power Platform and APIs. Proven ability to improve efficiency, design scalable solutions, and deliver production-ready applications in fast-paced environments. Bilingual in English and French.

Professional Experience

1. Kingsdale Advisors Toronto, ON

Senior Data Engineer and Digital Specialist (Jan 2026 - Present)

- Developed and maintained enterprise web applications using SPFx, TypeScript, JavaScript, HTML, CSS, SharePoint REST APIs, and Power Platform, delivering responsive user interfaces and scalable backend integrations.
- Reduced manual reporting and data processing time by over 80% by designing automated data pipelines and validation processes (45 minutes per user per day).
- Designed and optimized relational data structures, implemented data validation, and improved application performance for large datasets containing tens of thousands of records.
- Collaborated with HR and management stakeholders to architect and implement an HR performance review web application, including role-based access control, automated email notifications, dynamic field visibility for managers, and HR reporting dashboards for performance tracking.

Data Engineer (Jul 2022 - Jan 2026)

- Built a Flask-based full-stack web application that connected backend data sources with a user-facing interface for generating dynamic, on-demand reports.
- Implemented Python scripts that reduced data cleaning time by 20% while improving the accuracy and consistency of enterprise datasets.
- Built and deployed 60+ customer facing microsites for Annual General Meetings (AGMs) and Special Meetings using Wix Velo (JavaScript), HTML, CSS, and backend APIs, enhancing client engagement and supporting high-profile corporate events.
- Partnered with project managers, business analysts, and stakeholders to gather requirements, resolve technical issues, and deliver scalable software solutions one example was the portfolio tracker for the team campaign management.

Bilingual Call Centre Representative (Feb 2022 - Jul 2022)

- Supported end users in a fast-paced environment while working with CRM and SharePoint-based systems, strengthening experience in structured data entry, system workflows, and data consistency across platforms.
- Delivered bilingual (English/French) support in a high-volume call center environment, developing strong communication, problem-solving, and attention to detail while maintaining accurate data across CRM and SharePoint systems.

2. Gervais Party and Tent rentals Scarborough, Canada

General labour (Jul 2021 - Jan 2022)

- Installed tents, event equipment, and rental products at client sites while ensuring safety and quality standards.
- Collaborated effectively with team members to complete deliveries and installations on schedule.

3. Green Yellow Ltd Beau-Plan, Mauritius

Project Engineer (Oct 2020 - May 2021)

- Designed automated Excel dashboards to visualize solar plant data (0.5–50 MWp), reducing reporting time by 2–3 hours per report.
- Contributed to technical planning and decision making of maintenance of solar farms.
- Coordinated with cross-functional teams to prioritize resources for high-impact projects using data-driven insights.

4. Synnove Energy Ltd Bagatelle, Mauritius

Junior Engineer (Aug 2016 - Aug 2017) & **Project Engineer** (Aug 2017 - Aug 2020)

- Automated performance reports using Excel VBA and formulas, improving accuracy and consistency.
- Built data-tracking reports for energy production monitoring and fault detection, and develop technical design documentation for operation and maintenance.
- Implemented task-tracking dashboard to optimised construction project progress and equipment maintenance.

References

Dr. Alexander Ferworn CD, Ph.D.

Professor, Department of Computer Science

Faculty of Science Liaison, The Chang School of Continuing Education

Toronto Metropolitan University

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