

# EDGAR LEUNG - Full Stack Developer

Toronto, ON, Canada | P: 416-822-3939 | E: edgar.debug@gmail.com | [LinkedIn](#) | [GitHub](#) | [Website](#)

## SUMMARY

Resilient Full Stack Developer with a proven ability to energize teams and deliver polished, scalable web applications. Skilled in managing projects from concept to completion, with expertise in UI/UX design, Agile development, and stakeholder collaboration. Excited to contribute technical expertise to innovative teams.

## EXPERTISE

**Programming & Databases:** JavaScript (ES6+), Python, Java, HTML5, CSS3, MongoDB, PostgreSQL  
**Frameworks & Tools:** React.js, Next.js, Node.js, Flask, Web.py, Tailwind CSS, Bootstrap, Google Maps API  
**Cloud & Testing:** AWS, Docker, Jest, Mocha, JUnit, Unit & Integration Testing  
**Other Tools:** Git, Figma, MongoDB Compass, Bash, Pusher, Twilio  
**Soft Skills:** Agile (Scrum), Troubleshooting, Collaboration, Leadership

## EXPERIENCE

Trustytots	Remote
Full Stack Developer	Sept 2024 – November 2024
<ul style="list-style-type: none"><li><b>Project Overview:</b> I was brought onto the team at the early stages to develop the app from the ground up in an Agile environment, delivering a platform for the \$17.88 billion Canadian childcare services market. My work contributed to building and launching the MVP, achieving 3rd place among investor-evaluated startups.</li><li><b>Requirements &amp; Design:</b> Collaborated closely with stakeholders to define and refine requirements; initially explored <b>Django</b> for robustness but pivoted to <b>Next.js</b> and <b>MongoDB</b> for better scalability and flexibility.</li><li><b>Development:</b> Developed back-end API routes and implemented core features with <b>Next.js</b> and <b>Tailwind</b>, powering real-time search, booking management, and user authentication. Integrated third-party tools like <b>Stripe API</b> and <b>Google Maps API</b>, accelerating <b>MVP</b> readiness by 30%.</li><li><b>Testing &amp; Maintenance:</b> Conducted rigorous feature testing, gathered stakeholder feedback, and refined the platform to support an 80% user satisfaction rate in initial testing.</li><li><b>Deployment:</b> Led the deployment process using AWS for hosting, ensuring the platform launched on schedule with positive stakeholder reception and validation.</li><li><b>Additional Contributions:</b> Designed a visually cohesive and user-friendly landing page in <b>Figma</b>, increasing user engagement by 20%.</li><li>Spearheaded real-time communication features using the <b>Pusher API</b> and <b>TalkJS</b>, building a scalable, low-latency system that supported seamless interaction for over 1,000 active users.</li><li>Resolved high-priority technical issues and bottlenecks, ensuring smooth functionality and minimizing project delays.</li></ul>	
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SOFVIE INC.	Remote
Web Developer (Contract)	Jan 2024 – April 2024
<ul style="list-style-type: none"> <li>• <b>Project Overview:</b> Revitalized an unshelved project in the HVAC industry, focusing on creating cross-browser-compatible web solutions to meet stakeholder needs and industry standards.</li> <li>• <b>Requirements &amp; Design:</b> Conducted Zoom sessions with <b>HVAC</b> specialists and stakeholders to gather requirements and align technical specifications with industry needs.</li> <li>• <b>Development:</b> Translated <b>Figma</b> designs into responsive web pages using <b>Bootstrap</b> and <b>JavaScript</b>, ensuring cross-browser compatibility and improving usability across devices by 25%.</li> <li>• <b>Testing &amp; Maintenance:</b> Performed cross-browser and device compatibility testing to validate deliverables and address high-priority bugs, maintaining smooth project progression.</li> <li>• <b>Deployment:</b> Enabled seamless front-end and back-end integration with <b>Flask</b> and <b>PostgreSQL</b>, enhancing platform reliability and improving user satisfaction by 15%.</li> <li>• <b>Additional Contributions:</b> Enhanced user workflows by incorporating stakeholder feedback into the platform post-deployment, contributing to a 20% increase in user engagement.</li> </ul>	
INTERNET ARCHIVES	Remote
Web Developer Internship	Dec 2022 – Sept 2023
<p>My first role after university and bootcamp, I led the redesign of the Merge Queue UI, quickly mastering Python, a large codebase, and Figma while balancing a full-time role as a reservist at Meaford Training Center; improved librarian workflow and productivity by 25% through a more readable, navigable, and user-friendly interface.</p>	
<ul style="list-style-type: none"> <li>• <b>Project Overview:</b> My first role after university and bootcamp, I redesigned the Merge Queue UI, quickly mastering Python, a large codebase, and Figma while balancing a full-time role as a reservist at Meaford Training Center; improved librarian workflow and productivity by 25% through a more readable, navigable, and user-friendly interface.</li> <li>• <b>Requirements &amp; Design:</b> Collaborated with the Project Lead, Front-End Lead, and librarians to gather requirements and refine UI designs, ensuring alignment with user needs and project goals.</li> <li>• <b>Development:</b> Implemented the redesigned UI using Web.py, <b>LESS.CSS</b>, <b>Python</b>, <b>JavaScript</b>, and <b>PostgreSQL</b>, optimizing back-end API calls to ensure seamless data flow.</li> <li>• <b>Testing &amp; Maintenance:</b> Conducted cross-browser and breakpoint testing to ensure layout consistency and optimal user experience. These efforts reduced task completion time by 30%.</li> <li>• <b>Deployment Communication:</b> Reviewed deployment notes and coordinated with stakeholders to assess post-deployment performance, ensuring alignment with project objectives and user satisfaction.</li> <li>• <b>Additional Contributions:</b> Actively supported Internet Archives' mission to promote the free flow of information by engaging with advocacy initiatives and signing the petition for open access to digital content.</li> </ul>	

## EDUCATION

Lighthouse Labs	Toronto, ON
Full-Stack Web Development Diploma	October 2022
York University	Toronto, ON
B.Sc Computer Science	March 2021