

EDGAR LEUNG - Full Stack Developer

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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

- Project Overview:** 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.
- Requirements & Design:** Collaborated closely with stakeholders to define and refine requirements; initially explored **Django** for robustness but pivoted to **Next.js** and **MongoDB** for better scalability and flexibility.
- Development:** Developed back-end API routes and implemented core features with **Next.js** and **Tailwind**, powering real-time search, booking management, and user authentication. Integrated third-party tools like **Stripe API** and **Google Maps API**, accelerating **MVP** readiness by 30%.
- Testing & Maintenance:** Conducted rigorous feature testing, gathered stakeholder feedback, and refined the platform to support an 80% user satisfaction rate in initial testing.
- Deployment:** Led the deployment process using AWS for hosting, ensuring the platform launched on schedule with positive stakeholder reception and validation.
- Additional Contributions:** Designed a visually cohesive and user-friendly landing page in **Figma**, increasing user engagement by 20%.
- Spearheaded real-time communication features using the **Pusher API** and **TalkJS**, building a scalable, low-latency system that supported seamless interaction for over 1,000 active users.
- Resolved high-priority technical issues and bottlenecks, ensuring smooth functionality and minimizing project delays.

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- **Project Overview:** Revitalized an unshelved project in the HVAC industry, focusing on creating cross-browser-compatible web solutions to meet stakeholder needs and industry standards.
- **Requirements & Design:** Conducted Zoom sessions with **HVAC** specialists and stakeholders to gather requirements and align technical specifications with industry needs.
- **Development:** Translated **Figma** designs into responsive web pages using **Bootstrap** and **JavaScript**, ensuring cross-browser compatibility and improving usability across devices by 25%.
- **Testing & Maintenance:** Performed cross-browser and device compatibility testing to validate deliverables and address high-priority bugs, maintaining smooth project progression.
- **Deployment:** Enabled seamless front-end and back-end integration with **Flask** and **PostgreSQL**, enhancing platform reliability and improving user satisfaction by 15%.
- **Additional Contributions:** Enhanced user workflows by incorporating stakeholder feedback into the platform post-deployment, contributing to a 20% increase in user engagement.

- 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.
- **Project Overview:** 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.
 - **Requirements & Design:** 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.
 - **Development:** Implemented the redesigned UI using Web.py, **LESS.CSS**, **Python**, **JavaScript**, and **PostgreSQL**, optimizing back-end API calls to ensure seamless data flow.
 - **Testing & Maintenance:** Conducted cross-browser and breakpoint testing to ensure layout consistency and optimal user experience. These efforts reduced task completion time by 30%.
 - **Deployment Communication:** Reviewed deployment notes and coordinated with stakeholders to assess post-deployment performance, ensuring alignment with project objectives and user satisfaction.
 - **Additional Contributions:** 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.

EDUCATION

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