Ryan Fung

Thornhill, Ontario, Canada ✉ ryan.shiuhong.fung@gmail.com ☐ 6479897283 in/ryan-sh-fung ☁ ryan-fung.vercel.app/

Software Developer with **8 years of experience** specializing in **full-stack development**, building scalable authentication systems and end-to-end billing flows in complex production environments.

EXPERIENCE

Software Developer, Rebel.com - Ottawa, ON   **NOV 2022 - DEC 2025**

- Owned and redesigned multiple customer-facing frontend pages using **React**, **Tailwind CSS**, and **Node.js**.
- Developed backend services to reliably consume and produce **RESTful APIs**, demonstrating strong adherence to third-party documentation and integration best practices.
- Played a key role in rebuilding the company's Multi-Factor Authentication system. Led refactoring of a state-machine–driven frontend to React for improved reactivity and configuration. Eventually affecting **100%** of all Canadian and new customer accounts.
- Contributed extensively to a Chargebee billing service integration, replacing **100%** of a legacy in-house billing system with a modern third-party platform.
- Revamped the checkout experience for quick purchases, one-click payment options, and optimizing the purchase flow, resulting in a **10% increase in successful transaction rates**.
- Contributed to ad-hoc engineering support for Zendesk customer service through debugging and workflow improvements. Which helped bring escalated **support requests down by 90%**.
- Led the rework of a landing page framework enabling rapid sales campaigns **under tight deadlines**.

Software Developer/IT Operations, Spartan Services - Burlington, ON   **MAY 2019 - NOV 2022**

- Maintained company server infrastructure, ensuring **near 100% uptime** for critical business operations.
- Conferred with third-party companies to ensure smooth company workflow.
- Engineered custom solutions through **Perl** scripts; tailored to team requirements, improving operational efficiency with reusable software that **boosted end of month reporting productivity by 50%**.
- Collaborated closely with business staff and product owners to brainstorm ideas for innovation.
- Introduced new technology to revolutionize methods of programming with **Python** and **React**.

Fee Billing Operations Administrator, RBC - Toronto, ON   **FEB 2018 - MAY2019**

- Analyzed big data using Excel and implemented fixes to solve discrepancies among incorrect entries with a **success rate of 98%**.
- Collaborated with colleagues to create a system of macros to automate tasks, which **improved the speed of task completion by 90%**.

EDUCATION

Bachelor of Science (BSc), Computer Science Specialist**,** University of Toronto   **2012 - 2017**

SKILLS

Front-End: React, Next.js, Node.js, TypeScript, JavaScript, HTML, CSS, Unit Testing, Zod, Jest, Bootstrap, TailwindCSS, Python
Back-End: REST API, MSSQL, VB.NET, Fastify, PostgreSQL, Express
Other: Scrum, Agile, GitHub/Git, AWS, Postman