

Richard Xiong

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EDUCATION

University of Ottawa <i>Honours Bachelor of Science (Computer Science)</i>	Ottawa, ON April 2017
Centennial College <i>Ontario College Advanced Diploma (Game Programming)</i>	Toronto, ON September 2025 - Present

EXPERIENCE

Carpenter (Flooring) <i>SpartaCon Developments</i>	January 2020 – Present Ottawa, ON
Software Developer <i>Canadian Food Inspection Agency (CFIA)</i>	September 2017 – September 2019 Ottawa, ON
SharePoint System Administrator (co-op) <i>Canadian Food Inspection Agency (CFIA)</i>	May 2017 – August 2017 Ottawa, ON

• Installed solid/engineered hardwood (nail-down, glue-down, floating) and LVP/LVT/laminate to manufacturer tolerances.

• Fabricated and installed stair treads, risers, nosings, skirts, and landings; matched stains or finishes to adjacent floors.

• Estimated materials, optimized cuts, and managed inventory to reduce waste and maintain budgets.

• Coordinated with GC, painters, and millwork to sequence installs and protect finished surfaces in occupied spaces.

• Designed and developed an internal application programming interface (API) to consolidate various distributed systems, automating vital data-entry processes.

• Completely rebuilt the Human Resources Portal's user interface by using Java, Spring, and Thymeleaf.

• Collaborated with teams across the organization to enhance an API supporting a food-recall notification service accessed by millions of Canadians, importing/exporting entities, and various stakeholders.

• Improved and enhanced existing command-line interface (CLI) applications by rebuilding and testing them in Go, with a focus on sustainability and performance.

• Developed scripts utilizing SQL to automate data extraction, enhancing real-time analytics and reducing report generation times during peak periods.

• Redesigned and reconstructed multiple legacy PHP APIs into scalable and maintainable REST APIs using Java.

• Designed, tested, and wrote technical documentation for new Go modules and packages; debugged and refactored critical issues; reviewed and evaluated peer contributions.

• Engineered digital SharePoint solutions, which were used by hundreds of inspectors across the organization to gather essential inspection data in the field.

• Managed the enhancement and maintenance of 100+ SharePoint workspace applications for various internal business lines, working groups, and committees.

• Participated in discussions and meetings with strategic business units and cross-functional teams, focusing on the critical task of gathering and refining project requirements.

• Created, maintained, and enhanced legacy applications and user interfaces with Java, Spring, and Thymeleaf.

• Authored, revised, and updated technical documentation for existing REST APIs.

SKILLS

Go/Golang, Bash, Zsh, jQuery, Java, Maven, Spring Boot, Thymeleaf, Python, HTML, SQL (PostgreSQL), AWS Lambda, Linux (Ubuntu & Debian), Git, Docker, JIRA, Confluence, PowerBI, Unit Testing, Integration Testing, TDD, OOP, Backend, REST, gRPC