MANREET KAUR LOTAY

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[LinkedIn](#) | [GitHub](#) | [MyPortfolio](#)

EDUCATION

Bachelor of Engineering - Software Engineering Expected Graduation: May 2026
Concordia University, Montreal, QC

SKILLS & QUALIFICATIONS

Programming Languages, Frameworks & Technologies: Java, JavaScript, Typescript, C++, Python, HTML, CSS, Bootstrap, Express, React, Angular, Node, Git, GitHub, MongoDB, MySQL, PostgreSQL, Eclipse, Visual Studio Code, IntelliJ IDEA, Microsoft Power Platform
Languages: English, French, Punjabi, Hindi
Personal Skills: Problem-solving, Teamwork, Detail-Oriented
Coursework: Web development, Object-Oriented Programming, Data Structures & Algorithms, Operating Systems

WORK EXPERIENCE

Front-end Developer Intern May – August 2024
Intact, Montreal, Quebec
Angular | Typescript | HTML | CSS | Java

- Converted legacy Thymeleaf pages into modern, responsive Angular pages, improving UI consistency and maintainability.
- Worked with QA's to identify, reproduce, and resolve front-end bugs, ensuring high-quality deliverables.
- Wrote comprehensive unit tests for all pages, achieving 100% test coverage.
- Utilized Docker to containerize the website, enhancing deployment efficiency and scalability.

Developer Analyst Intern September – December 2022
Bombardier Aerospace, Dorval, Quebec
Microsoft Power Platform

- Streamlined business travel and internship assessment processes for the Legal Services team using a custom-built Microsoft PowerApps.
- Implemented Power Automate flow integration, enabling the Legal Services team to receive automatic notifications upon request completion.
- Facilitated generation of tailored legal documents by leveraging Power Automation for Microsoft Word templates.

PROJECTS

Real Estate Website ([GitHub](#))
MongoDB | Express.js | React.js | Node.js

- Collaborated in a 5-member Agile team, managing four sprints with distinct user stories using Git for version control and GitHub for progress tracking.
- Developed a role-based login system for homebuyers, brokers, and admins with features like property

favoriting, mortgage calculations, and visit scheduling.
● Implemented secure authentication using cookies and JWT tokens for persistent user identity.

Condo Management System - Mobile App + Website (GitHub)
React Native | Firebase | Jest

● Collaborated in a 10-member Agile team, managing four sprints with distinct user stories.
● Designed and implemented core features, including user profiles, condo management, financial reporting, facility reservations, and request management with notification capabilities.
● Wrote comprehensive unit tests for all pages using Jest, achieving 80% test coverage.
● Utilized GitHub workflows to automate testing and deployment.

Warzone Risk (GitHub)
C++

● Built a command-line play of the "Warzone" version of Risk, a game setup that consists of a connected graph map where each player's objective is to conquer all territories on the map.
● Utilized the strategy design pattern to create different kinds of players, each making distinct decisions during gameplay based on their concrete strategies.