

Bhavya Modi

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EDUCATION

University Of Waterloo

Bachelor of Computer Science, Software Engineering specialization

Waterloo, Canada

Sept. 2021 - Aug. 2026

University Of Wilfrid Laurier

Bachelor of Business Administration, General

Waterloo, Canada

Sept. 2021 - Aug. 2026

EXPERIENCE

Software Engineer

Jan. 2025 – May. 2025

TheScore, Internship

Toronto, Canada

- Designed back-office solutions for an internal account management tool, integrating services with gRPC, Elixir, and Phoenix.
- Standardized UI across 20+ pages and built reusable components using HTML, CSS, and JavaScript, improving user experience, cutting navigation time by 15%, and enabling faster feature development.
- Optimized Datadog logging, reducing costs by 10% and log retrieval time by 20% while enhancing system performance.
- Led a team to 1st place in a company-wide competition with a strategy to generate \$100M+ in revenue and boost customer acquisition by 35%.

Software Developer

Jan. 2024 – May. 2024

DayForce, Internship

Toronto, Canada

- Contributed to a Kafka-based system for the HyperScale initiative using Java, boosting data processing capacity by 60% and cutting processing time by 40%.
- Automated T-SQL database builds and deployments with Yaml and Azure DevOps, saving 1 hour per deployment and reducing errors by 20%.
- Fixed 200+ security vulnerabilities using C#, significantly strengthening web application security.
- Implemented and tested input validation with REGEX to ensure data consistency across systems.

Software Engineer

Jan. 2023 – May. 2023

CMiC, Internship

Toronto, Canada

- Designed a JUnit test system for nightly builds, automatically executing test files to ensure high-quality code and reduce integration errors.
- Replaced traditional error logs with targeted JUnit test cases, cutting debugging time by nearly 90% and speeding up development cycles.
- Optimized ANT build scripts to automate JUnit test execution using regular expressions, improving script and build times by 60%.

Junior Software Developer

Jan. 2023 – May. 2023

CMiC, Internship

Toronto, Canada

- Collaborated with Project Managers, QAs, and Developers to define project goals for an Oracle ADF-based web application.
- Created over 50 detailed test cases for SQL functions and developed a robust test suite for Java code using JUnit and Mockito, ensuring high code coverage and reliability.

PROJECTS

Pocket CPR | *Swift, React, Git*

Sept. 2023

- Developed a prototype iOS Apple Watch app within 24 hours at the SimpleHacks hackathon, securing 2nd place by creating a CPR assistance tool to guide users through safe and effective CPR administration

Chess | *C++, X11, Git*

Dec. 2022

- Developed a fully functional chess game with advanced features (castling, en passant, undo) using OOP principles and MVC design pattern, featuring a graphical X11 interface for player-vs-player and player-vs-computer modes.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Elixir, SQL (Postgres), JavaScript, HTML/CSS, R, Yaml, Bash

Frameworks: Phoenix, CSS Tailwind, React, Kafka, JUnit, Selenium, Mockito, JNDI, JDBC

Developer Tools: Git, Github, Docker, DataDog, TortoiseSVN, Linux, Azure, Azure DevOps, CircleCI, Jira