

Akshay Vakil

[437-241-2221](tel:437-241-2221) | akshayvakil593@gmail.com | [LinkedIn](#) | [Portfolio](#)

QUALIFICATIONS OF SKILLS

Programming Languages: Java, Python, SQL, JavaScript, TypeScript, HTML/CSS, Lua

Databases: MySQL, PostgreSQL, Oracle, MongoDB

Frameworks & Libraries: React, Svelte, Angular, Node.JS, Next.JS, Express

Development Tools: Git, GitHub, Figma, AWS, PowerBI, Microsoft Office Suite, Docker, Azure

Backend Skills: RESTful APIs, routing, server-side rendering, authentication

Operating Systems: Windows, Linux, Ubuntu

RELEVANT EXPERIENCE

Front End Engineer

November 2023 – February 2024

Carib Farm

Waterloo, ON

- Built responsive web app with **React**, and **HTML/Tailwind CSS**, increasing user engagement by 25%
- Optimized performance via lazy loading and **React.memo**, cutting load times by 25% across all pages
- Created **Storybook** component library and UI documentation, boosting team velocity by 40%
- Implemented **React Query** and custom hooks for data fetching, reducing code duplication by 30%
- Enhanced SEO with meta tags and added **Google Analytics**, driving 30% traffic growth
- Collaborated with UI/UX team to implement responsive designs using **Figma** specifications

PROJECTS

Space Simulator X

December 2023 – August 2024

Lua, Data Structures and Algorithms — ROBLOX Video Game

Game Link

- Developed and published a game with **5,000+ monthly users**, **10,000+ visits**, and generated **\$1,000+ USD**.
- Built a scalable codebase using **OOP principles** and managed player data with **Data Stores** for **10,000+ users**.
- Developed a **secure trading system** using **encapsulation** and **attributes** to track user inventory states, preventing data loss.
- Increased session times by **3-5 minutes**, placing the game in the **90th percentile** for engagement

Bug Report Rails — Web Application | *Ruby on Rails, PostgreSQL, Ruby*

April 2024

- Developed a web application for users to create, submit, and track bug reports
- Included graphical representations of past sprint data to help visualize data effectively
- Implemented user registration and login with a PostgreSQL database for secure data storage
- Utilized Agile methodologies and maintained a product backlog to manage tasks

EDUCATION

Toronto Metropolitan University (Formerly Ryerson University)

Toronto, ON

Bachelor of Science with Honors in Computer Science

April 2026

- **Relevant coursework:** Data Structures, Algorithms, Database Systems, Web Development, Intro to UNIX, C and C++, Operating Systems, Intro to Software Engineering, Discrete Mathematics