

Akshay Vakil

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QUALIFICATIONS OF SKILLS

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

Databases: MySQL, PostgreSQL, Oracle, MongoDB

Frameworks & Libraries: React, Svelte, Angular, Bootstrap, JQuery

Development Tools: Git, GitHub, Figma, AWS, Microsoft Office Suite (Word, Excel, Outlook)

Programming Paradigms: Object-Oriented Programming, Functional Programming

Operating Systems: Windows, Linux, Ubuntu

RELEVANT EXPERIENCE

Software Developer

December 2023 – August 2024

Infinite Yield Studios - Game Studio

[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

Web Developer

November 2023 – February 2024

Carib Farm

Waterloo, ON

- Created and deployed a responsive website, resulting in a **25% boost** in user engagement and traffic.
- Optimized website performance, leading to a **25% reduction** in page load times, enhancing user experience
- Utilized SEO strategies with keywords and utilized Artificial Intelligence-enhanced plugins, achieving a **30%** increase in website traffic.

PROJECTS

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

Sept 2022 - 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