



Bhavya Lamba

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Education

University of Waterloo, BS in Computer Science Sept 2020 – April 2025

- **Coursework:** Operating Systems, User Interfaces, Foundations of Sequential Programs, Object- Oriented Software Development, Application Development, Introduction to Database Management, Algorithms, Software Design and Architecture

Experience

Software Engineer, Vivid Seats Sept 2024 – Dec 2024

- Developed, enhanced, and maintained APIs using Python and FastAPI, implemented monitoring solutions through Datadog, and authored comprehensive API documentation on new endpoints on Stoplight to ensure clarity and usability
- Designed and implemented new Vue.js components for partner websites' ticket viewing pages based on Figma diagrams, including dropdowns for price sorting and ticket quantity selection, thereby enhancing user experience as this feature did not exist beforehand
- Collaborated with a dedicated subteam to plan the porting of the legacy ticket checkout page to React, this involved contributing to task creation, project planning, and development of key components

Application Developer, QBuild Software Sept 2023 – Aug 2024

- Completed two internship terms (Fall 2023 and Summer 2024), working on major projects across CRM and flagship products
- Collaborated with teams to enhance the company's CRM website by adding new pages, including task scheduling and management tools, and fixing reported bugs, improving workflow efficiency and the overall user experience
- Helped move a flagship product from .NET to React, making the UI faster and more interactive, and setting it up for easier future updates

Test Analyst, Toronto Transit Commission Sept 2022 – Dec 2022

- Engineered a VBScript algorithm for automating software updates on over 4000 telephones, reducing update time from 1-2 weeks to hours, circumventing the need for manual updates by designated teams
- Developed comprehensive test cases for new features on the TTC website, ensuring accurate and successful implementation of functionalities
- Led presentation with a fellow IT colleague on utilizing various website design features and programs to enhance design quality and user experience

Projects

Pet Care App: "PetPal"

- Developed a task/event management and sitter-matching app using Kotlin, JS, and Firebase; built backend API calls and real-time updates

Wordle Clone

- Built a Wordle clone in Flutter/Dart with letter-matching logic and word generation for learning mobile development

LiveCursors

- Built a real-time collaborative cursor-sharing app using React, TypeScript, and WebSockets. Implemented a live server to sync cursor positions across connected users and visualize their presence in real time.

Skills

Languages: C, C++ , Java, R, SQL, Kotlin, HTML, CSS, JavaScript, React, Python, Kendo, Vue

Technologies: .NET, Docker, Kubernetes, FastAPI, Stoplight, Confluence, Figma