

JASKIRAT CHAWLA

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Skills

Languages: TypeScript, JavaScript, Python, C, C++, Golang, HTML/CSS, MySQL, Bash
Frameworks & Libraries: GraphQL, Prisma, Node.js, React.js, Vue.js, Next.js, PostgreSQL, Laravel, Linux
Tools: Git, Docker, AWS (S3, EC2), Kubernetes, RabbitMQ, Redis, VIM, GDB, MongoDB, Postman

Experience

Purolator

May 2024 – Present

Front End Developer Co-op

Mississauga, Ontario

- Transitioned web infrastructure from imperative JavaScript to React, enhancing maintainability and user experience.
- Optimized data tracking and reporting using **Google Analytics** and **Google Tag Manager**.

PointClickCare

September 2023 – December 2023

Software Engineer Co-op

Mississauga, Ontario

- Introduced **GraphQL** endpoints for API access, user tracking, and project management using **Hasura**, simplifying application management for **200+** developers across **3+** departments.
- Spearheaded frontend development for marketplace developer portal, leveraging **Vue** and **Vuex** to design **5+** versatile webpages that led to a notable **25%** increase in user satisfaction ratings.
- Strengthened code reliability by scripting unit tests with **Playwright**, achieving an impressive **80%** code coverage.

PointClickCare

January 2023 – May 2023

Software Engineer Co-op

Mississauga, Ontario

- Built scalable **micro-services** and **RESTful APIs** to support order service management, secure data transfer, and user authentication using **Spring Boot**, **Spring Data JPA**, **MySQL**, and **OpenAPI**.
- Improved order frontend usability by **19%** through React-based accessibility enhancements, ensuring **WCAG** compliance.
- Reduced Web QA deployment time by **63%** by automating build and maintenance with Jenkins CI/CD pipelines.

Voiceform

May 2022 – August 2022

Full Stack Engineer Co-op

Toronto, Ontario

- Built a real-time notification system using **RabbitMQ** for event handling and **Redis** for caching, reducing customer response times by **35%** and improving team efficiency by enabling faster data processing.
- Integrated **webhooks** to connect **5000+** apps to Voiceform, optimizing **data collection** and boosting customer satisfaction by **21%** through Zapier-powered integration.
- Leveraged **IBM Watson** for sentiment analysis on user feedback, extracting key customer insights that enhanced content strategy and increased engagement with targeted user segments by over **33%**.

XE.com

September 2021 – December 2021

Full Stack Developer Co-op

Newmarket, Ontario

- Revamped corporate registration UI with **Vue.js** and **Tailwind CSS**, reducing new customer onboarding time by **40%**.
- Engineered and deployed an automated solution that streamlined the sign-up and login process using **Python** and **Selenium**, achieving a remarkable **79%** reduction in time.
- Optimized layout for mobile and desktop, enhancing responsiveness and user experience, following **SDLC** principles.

Education

University of Waterloo

September 2020 – April 2025

Bachelor of Computer Science Honours (Co-op)

Waterloo, ON

- Awards:** President's Scholarship of Distinction, Term Distinction (x4), Intramural Volleyball Champion
- Relevant Coursework:** Artificial Intelligence, Algorithms, Data Structures, Networks, Operating Systems (OS), Object Oriented Programming (OOP), Database Management, User Interfaces

Projects

Code — *TypeScript, Next.js, PostgreSQL, Prisma, GraphQL*

- Developed a high-performance platform for users to execute code and submit solutions, with support for multiple submissions and handling asynchronous requests.

Waterloo Imperial Bank — *MongoDB, Express.js, React.js, Node.js*

- Created a modern banking application that optimized database interactions, strengthened security measures, and provided a user-friendly interface to improve customer engagement and experience.

Interests & Extracurricular Activities

- Brand Ambassador (January 2024 – Present):** Promoted Get Raw Nutrition (Chris Bumstead's brand) through strategic event participation and social media engagement, contributing to increased brand awareness.
- Bodybuilding, cricket, hiking.