

Jaskirat Gill

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EDUCATION

University of British Columbia
Bachelor of Science in Computer Science

Vancouver, BC
Completion May 2026

EXPERIENCE

Software Engineer

March 2024 – Present

Golf 918

Surrey, BC

- Developing full-stack features for Golf918's booking and point-of-sale products, utilizing **Node.js**, **React**, and **TypeScript**.
- Implementing and optimizing backend services using **Express**, **PostgreSQL** (with Kysely), and **Redis**.
- Enhancing reliability with **RabbitMQ** for event-driven architecture and **Docker** for containerized deployments.
- Writing automated integration tests with **Jest** to ensure robust functionality and maintain high-quality standards.
- Collaborating with a remote team using **Slack**, **JIRA**, and agile methodologies to deliver weekly product releases.

Software Development & QC Engineer

Sept 2024 – Apr 2025

Optum (United Health Group)

Richmond, BC

- Engineered full-stack solutions utilizing **TypeScript** React components integrated with **C#** API services and **C++** middleware, delivering 3 features in an **agile** environment
- Modernized legacy C++ image processing framework through security-focused refactoring, eliminating over 300 high-risk vulnerabilities while maintaining backward compatibility
- Accelerated developer feedback cycles by deploying build images to **Google Cloud VMs** and **MIGs** for efficient testing

Web App Developer

Nov 2023 – Apr 2025

Freelance

Surrey, BC

- Developed a full-stack e-commerce website with a **NextJS** frontend, **PostgreSQL** database, **NodeJS** backend, and a MedusaJS CMS for a local auto parts store
- Integrated Stripe and PayPal **API's** to implement a secure and efficient cart and checkout process, allowing for the processing of over **\$10,000 monthly**.
- Deployed back-end on Railway with a PostgreSQL database, a **Redis** instance for **cache** and both a worker and server instance of the back-end all with dynamic scaling to handle over **5000 monthly visitors**.
- Built an **admin dashboard** with NextJS to allow administrators to monitor, update, and manage their business, improving the time spent on these tasks by **30%** as compared to their previous solution.

Operations Officer

November 2024 – Present

Department of National Defense - CCO

Surrey, BC

- Employed as a Civilian Instructor for the Canadian Cadet Organization while undergoing the process of becoming a CIC reserve officer.
- Plan events to support training of over **300 cadets**, communicating with vendors, staff and regional office to put together an effective training program.
- Ensure safety, provide supervision and mentorship to cadets, aiding in their professional development.

PROJECTS

UBC Student Hub | *TypeScript, React, DynamoDB, HTML/CSS*

June 2024 – Sept 2024

- Developed a **chrome extension** and website with **5000+ users** with a small team of developers.
- Interacted with Workday private API and other **REST API's** to fetch and present data
- Utilized **DynamoDB** for storing user data

Explore Vancouver Web App | *Javascript, React, AWS EC2, HTML/CSS*

Aug 2023 – April 2024

- Developed a web application using React to plot **14,000 geographical features** from city's Open Data program.
- Deployed application to a scalable **AWS EC2** instance with a peak of **3000 monthly visitors**.
- Utilized Material-UI library and **CSS** styling for a dynamic and responsive user experience.
- Leveraged MapBox API to parse and display CSV data.