

Sparsh Trivedy

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[personal website](#)

github.com/sparshtrivedy

TECHNICAL SKILLS

Programming: Java, C++, C, C#, JavaScript, TypeScript, Python

Front-End: HTML, CSS, React.js, Redux, Chart.js

Back-End: Node.js, Express.js, SQL, .NET, Entity Framework

Tools: Git, pgAdmin, Postman, Azure Data Studio, Docker, Swagger, Material UI, Bootstrap, JIRA

Testing: JUnit, Mocha, Jest, xUnit

WORK EXPERIENCE

Web Developer Co-op, Full-stack

BGC Engineering Inc

Sep 2022 - present

Vancouver, BC

- Developed full-stack features using TypeScript, React.js, Redux, SQL, .NET and Entity Framework.
- Work in an Agile Scrum environment and participate in daily stand-ups, sprint planning, retrospectives, and demos.
- Implemented a modal dialogue that allows users to copy data from existing inspections into a form when adding new inspections, saving them a lot of time spent copy-pasting the same data repeatedly.
- Created a searchable dropdown component that allows users to filter through all the users from their organization. This component is used across all our forms, improving the overall user experience.
- Developed an attribute table to store and organize all instrumentation data, accompanied by REST API endpoints to fetch data based on client, making the data more accessible to clients.
- Refactored and optimized our enums API controller, condensing the individual endpoints into one generic endpoint for all the enums, reducing our file size and making it easier to understand.
- Collaborate with product owners, engineers, QA, and design teams to gather requirements, prioritize tasks, and deliver high quality software within the sprint timeline.

Dishwasher and prep-cook

Browns Crafthouse, UBC

May 2022 – Jun 2022

Vancouver, BC

- Worked in a collaborative, high-pressure kitchen which often required me to think quick, so we stayed on track.
- Trained new employees we onboarded and familiarized them with our processes.

TECHNICAL PROJECTS

WoodWorks – Personal

Jan 2022

- Developed a full-stack e-commerce website with a product catalog and shopping cart, using TypeScript, React and Redux on the front-end and C# and .NET on the back-end.
- Created DB schema using code-first approach of Entity Framework (EF) migrations.
- Created API controller with CRUD endpoints for the users, products, and shopping cart.
- Implemented user registration and login functionality.
- Implemented product cards from where product details and quantity in the cart can be viewed and updated.
- Implemented functionality for sorting products by price, filtering products by keyword, and by type and brand.

Personal Budget API – Personal

Aug 2022

- Developed a REST API that is used to keep track of an individual's personal budget.
- Implemented a relational database using PostgreSQL with two tables – (1) keeps track of the budget categories and their balances (2) keeps records of all transactions between the budget categories.
- Implemented the server using Express.js that handles the HTTP requests.
- Connected the server and the database using node-postgres.

Vibing – Personal

Jul 2022

- Developed a front-end application that allows a user to browse songs, add them to a playlist and save it to Spotify.
- Implemented this functionality using the Spotify API.
- Enabled functionality that allows users to rename their playlists and make changes to their playlist before saving it to Spotify. [link](#)

Note-Maker – Personal

May 2022

- Developed a web app using React.js that sends the topic for notes as plain text prompts to OpenAI API and displays the results in a list.
- Implemented a form that allows user to enter a topic which on submitting displays a 5-point summary of the topic and a log of all results, sorted from newest to oldest.

Café Kiosk – Academic

Dec 2021

- Developed an interactive coffee ordering application in Java with a GUI using the Java Swing library, following test driven development, and using software design principles.
- Implemented functionality that allows a user to order multiple customized drinks, generate bill, check order summary, and keep a log of when a drink was added or removed from the cart.
- Implemented save and load functionality.

VOLUNTEER EXPERIENCE

UBC Rover Engineering Design Team, Vancouver, BC

Sep 2022 – present

Software Team Member – Work on developing a GUI for our rover with Ros QT

UBC Science Undergraduate Society, Vancouver, BC

Jul 2022 – present

Academic Experience Coordinator – Work to enhance the academic experience of UBC students.

UBC Design League, Vancouver, BC

Sep 2022 – present

Web Developer – Designed and maintain the website for UDL, a club that organizes designathons.

EDUCATION

University of British Columbia, Vancouver, BC

Sep 2020 – May 2025

Bachelor of Science, Computer Science Major

Cumulative average: 83.8%

Outstanding International Student Award, 2020

INTERESTS

Reading, Tabla, Swimming, Sketching, Cooking